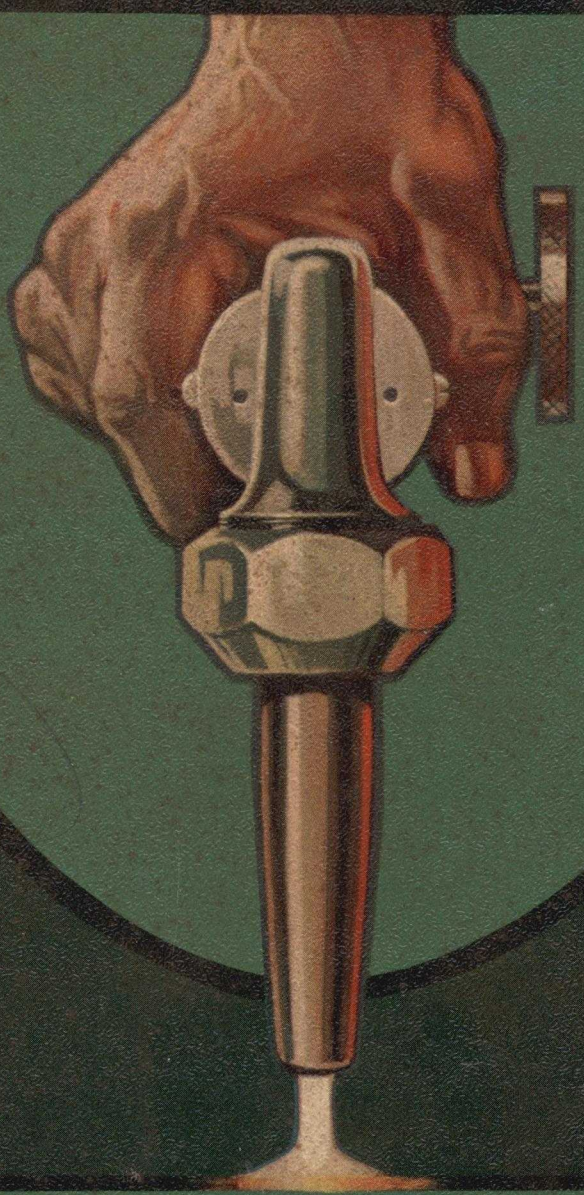
CATALOG 40

REGO

WELDING AND CUTTING APPARATUS



REGO
Oxy-Gas Welding and Cutting Equipment

THE gas welding and cutting industry has passed thru its experimental infancy and the oxy-gas torch is now a standard tool in thousands of manufacturing and repair operations. As the use of the process has increased, the constant demand has been for equipment which combines safety and simplicity with maximum efficiency. In designing and developing Rego equipment to its present high standard, Rego engineers set as their goal the development of an equipment which should be as nearly "abuse proof" as possible, in addition to operating with highest efficiency. The line which they have produced, and which has resulted in Rego being the acknowledged leader in the manufacture of the best type of oxy-gas equipment—we offer to you in Catalog No. 40.

The Rego Line contains equipment to meet the needs of every user—from the one-man auto-repair shop to the largest railroad. It is manufactured complete in our own factory under our own supervision, from the raw materials to the finished product. Every piece that leaves the factory has undergone rigid inspection and an *actual working test* before shipment.

The guarantee of a company with a rating of AAA1 stands back of the entire Rego line. The importance of this latter statement has been learned by many users who have purchased equipment from small, irresponsible concerns only to find later that they have gone out of business, leaving their customers without a source of replacement parts.

Rego Outfits

REGO Outfits are popular complete assemblies of Rego equipment, designed to take care of some specific class of work. Because of the great demand for these outfits, we are able to offer them at slightly reduced prices. Special assemblies of equipment other than our standard outfits can be had at the regular prices for the equipment included, and without extra charge for assembling.

Economy in the use of welding and cutting equipment is ultimately achieved, not thru its first cost, but thru the cost of maintenance and operation. Rego Equipment is reasonably priced, but its real economy comes in the large saving in total cost of operation and maintenance over a period of time.

All prices in this catalog are subject to change

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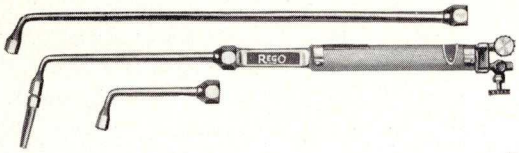
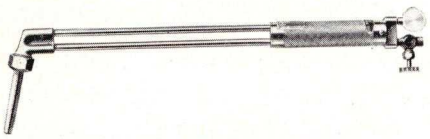
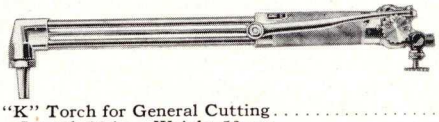
REGO Torch Index



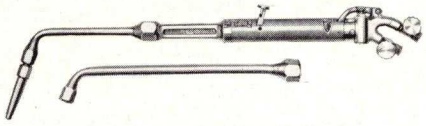
	Torch Page	Outfit Page
"GL" Gooseneck Torch for Heavy Duty Welding. Length (with 12-in. mixer as shown) 23½ in. Weight (with 12-in. mixer as shown) 43 ozs.	24	10



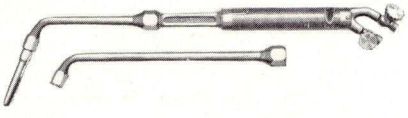
"L" Tip Mixing Torch for General Welding. Length 20½ in. Weight 34 ozs.	23	9



"K" Torch for General Cutting. Length 20 in. Weight 52 ozs.	29	5-6

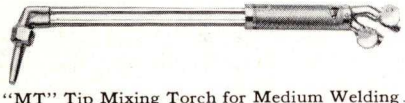


"GMA" Gooseneck torch for General Production Welding. Length (with 6-in. mixer as shown) 19½ in. Weight (with 6-in. mixer as shown) 34 ozs.	26	13



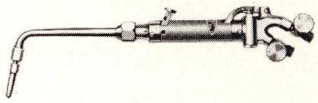
"GM" Gooseneck Torch for General Welding. Length (with 6-in. mixer as shown) 19 in. Weight (with 6-in. mixer as shown) 27 ozs.	25	6, 11 15-16-17

"KW" Torch for Medium Cutting up to 3 inches. Length 19 in. Weight 34 ozs.	29	7



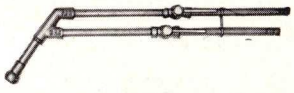
"MT" Tip Mixing Torch for Medium Welding. Length 18½ in. Weight 23 ozs.	23	15-16-17

"E" Kerosene Air Engine Cleaning Torch. Length 15¾ in. Weight 10 ozs.	20	20



	Torch Page	Outfit Page
"GSA" Gooseneck Torch for Light Production Welding. Length 14 in. Weight 25 ozs.	26	12

"GS" Gooseneck Torch for Light Welding. Length 13½ in. Weight 14 ozs.	25	



"A1" Air Natural Gas Torch for Soldering and Light Brazing. Length 13 in. Weight 13 ozs.	31	

"A" Air City Gas Torch for Soldering and Light Brazing. Length 12½ in. Weight 12 ozs.	31	

"DS" Spring Valve Torch for Carbon Burning. Length, Torch only 7 in. Tip 15 in. Total 22 in. Weight with tip, 8 ozs.	30	20

"D" Pet cock Torch for Carbon Burning. Length, Torch only, 7 in., Tip 15 in. Total 22 in. Weight, with tip, 7 ozs.	30	

"23" Acetylene Torch, for Soldering and Light Heating. Length 9 in. Weight 4 ozs.	30	21

"H" Torch for Lead Burning and Thin Sheet Metal Welding. Length 7½ in. Weight 4 ozs.	27	18-19

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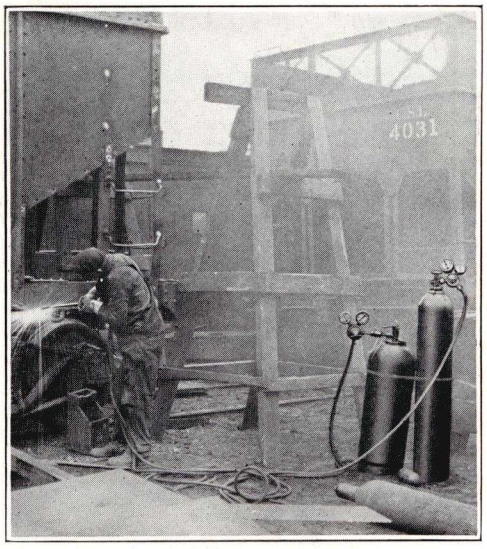
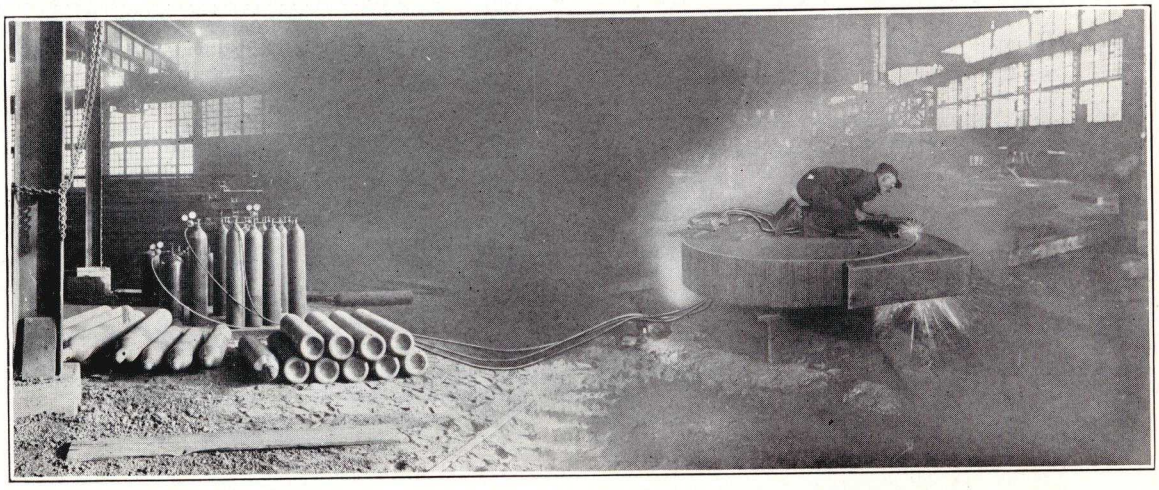
REGO Cutting Torches Cut Cutting Costs



Repairing Steel Freight Car With Rego K Torch

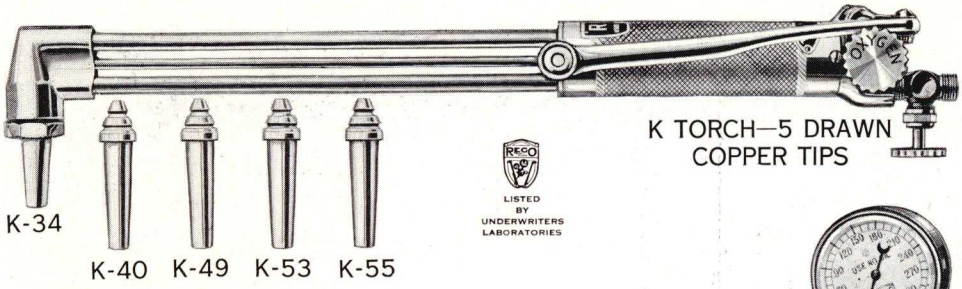
THE oxy-acetylene cutting torch plays a big part in the repair of steel freight cars—in fact it is the only tool which makes possible their repair at all. Formerly when a car was badly damaged, it was junked. Now, with the aid of the torch, the damaged sections are removed, new ones put in and the car put in shape for many more miles.

A large Chicago steel fabricating company had the job of preparing 16 12-in. rolled steel base plates, 6 feet in diameter, to be used for anchoring the steelwork of a large building. The cost of cutting them from the billets mechanically would have been prohibitive, so they used a Rego cutting torch and 8-cylinder manifold. Even after charging off the entire cost of the equipment to the one job, they effected a saving of $25.00 each in cutting the plates.



Cutting 12 in. Steel Base Plates with Rego K Torch and Rego 8-Cylinder Oxygen Manifold

REGO General Cutting Outfit No. 5101



K TORCH—5 DRAWN COPPER TIPS

LISTED BY UNDERWRITERS LABORATORIES

1109V OXYGEN REGULATOR

1115V ACETYLENE REGULATOR

Uses Medium Pressure Oxy-acetylene.
Range—All cutting up to 12-inch steel.

REGO Outfit No. 5101 is constructed to withstand the severe service to which such equipment is subjected in steel mills, steel foundries, ship yards, scrap yards, steel construction and wrecking jobs. The K torch, with its 5 pure drawn copper tips, covers the entire range of cutting from sheet metal up to 12-inch steel.

Regulators Nos. 1109V and 1115V are built to allow the free flow of the large volumes of gas required for cutting operations.

The hose furnished with this outfit is armoured to prevent damage from falling sparks and metal.

For details—K torch Pg. 29—1115V Pg. 40—1109V Pg. 39

REGO Outfit No. 5101 is furnished complete as illustrated, packed in steel carrying case.

AND ACCESSORIES AS SHOWN BELOW

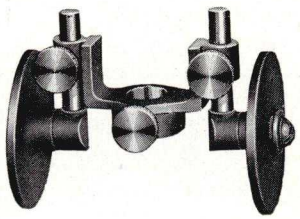
No. 5101 Outfit—Wt. 38 lbs.—$128.00

Code Word, Sa

When ordering specify acetylene regulator inlet

REGO Cutting Torch Guide No. 998

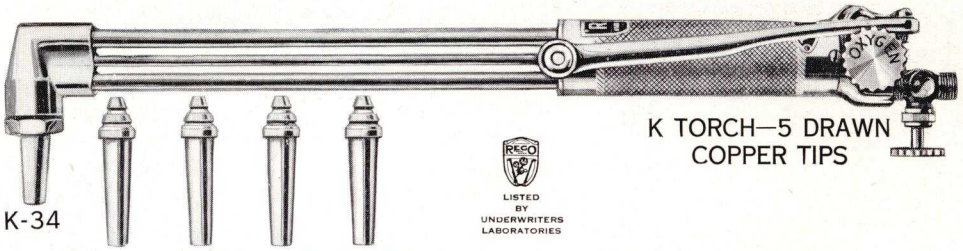
REGO No. 998 Torch Guide is an accurately finished bronze guide for use in making long or special shaped cuts where accuracy and smooth finish are required. The tip holder and both wheels can be adjusted to any angle desired.

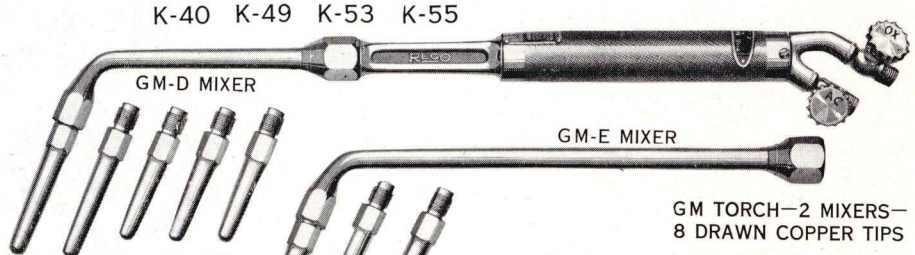


No. 998 Guide—Wt. ⅞ lb.—$3.60

Code Word, Saac

REGO General Cutting & Welding Outfit No. 5201





AND ACCESSORIES AS SHOWN BELOW

Uses Medium Pressure Oxy-acetylene. Range—Cutting up to 12-inch Steel. General Welding.

REGO Outfit No. 5201 is equipped for an exceptionally wide range of both welding and cutting, and is the proper outfit for mines, lumber mills, contractors and other places where there is a great variety of work to perform. The outfit contains two torches—the K, with 5 drawn copper tips, for cutting; and the GM, with 2 mixers and 8 drawn copper tips, for welding. It combines the range and efficiency of separate welding and cutting outfits with the moderate cost of a single combination unit.

Regulators Nos. 1109V and 1115V deliver the large volumes of gas required for cutting, and also hold the steady non-fluctuating flame required for welding.

For details—K torch Pg. 29—GM torch Pg. 25—1115V Pg. 40
1109V Pg. 39

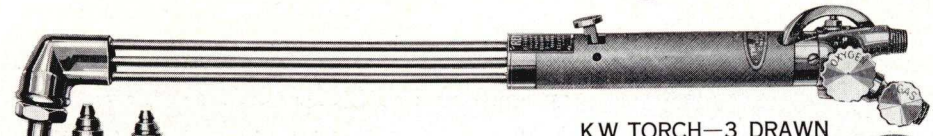
REGO Outfit No. 5201 is furnished complete as illustrated, packed in steel carrying case.

No. 5201 Outfit—Wt. 36½ lbs.—$157.00

Code Word, Saace

When ordering, specify acetylene regulator inlet

REGO Medium Cutting Outfit No. 5102



KW TORCH—3 DRAWN COPPER CUTTING TIPS

LISTED BY UNDERWRITERS LABORATORIES

1019V OXYGEN REGULATOR

1063V ACETYLENE REGULATOR

Uses Medium Pressure Oxy-acetylene.
Range—All Cutting up to 3-inch Steel

This outfit is just what large garages, welding shops, industrial plants, construction contractors, and metal fabricators have been asking for. It will do all cutting up to 3 in, steel. The KW torch is surprisingly light for its rugged construction. Its tubes are of a special non-bending alloy, and the head and end valve bodies are of forged brass.

The regulators Nos. 1019V and 1063V supply an even gas flow on all sizes of tips.

For details—KW torch Pg. 29—1019V Pg. 39—1063V Pg. 40.

REGO Outfit No. 5102 is furnished complete as illustrated, packed in steel carrying case.

No. 5102 Outfit—Weight, 19 lbs.—$78.00

Code Word—Saad

When ordering, specify acetylene regulator inlet.

AND ACCESSORIES AS SHOWN BELOW

SPARK LIGHTER
REGULATOR WRENCH
TORCH WRENCH
12½' LENGTH 3/16" SF BLACK ACETYLENE HOSE
12½' LENGTH 3/16" SF GREEN OXYGEN HOSE
SMALL STEEL CARRYING CASE

REGO Medium Cutting and Repair Outfit No. 5202

Uses Medium Pressure Oxy-acetylene.
Range—All Cutting up to 3-inch steel.
All Welding up to 1-inch

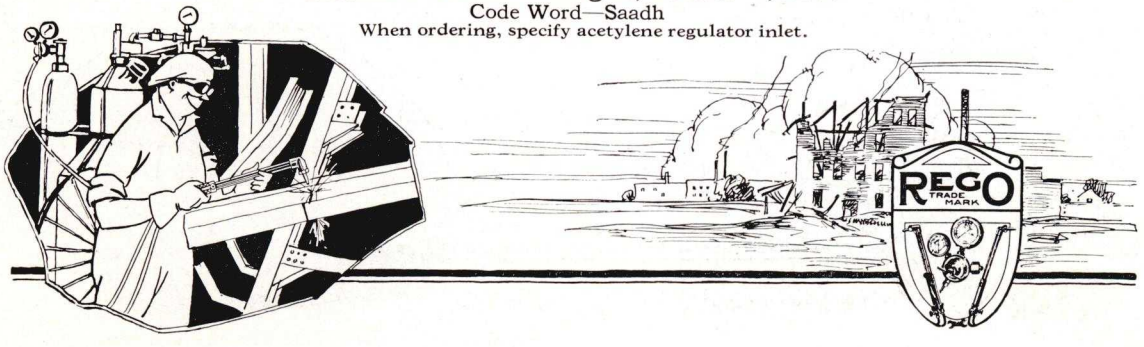
REGO Outfit No. 5202 is a complete portable cutting and welding unit. It is excellent for use on garage service trucks and other places where an efficient and easily carried welding and cutting outfit is required.

REGO Outfit No. 5202 is furnished complete with all of the items in outfit 5102 together with the 3 welding tips shown to the right, packed in a steel carrying case.

No. 5202 Outfit—Weight, 20 lbs.—$84.50

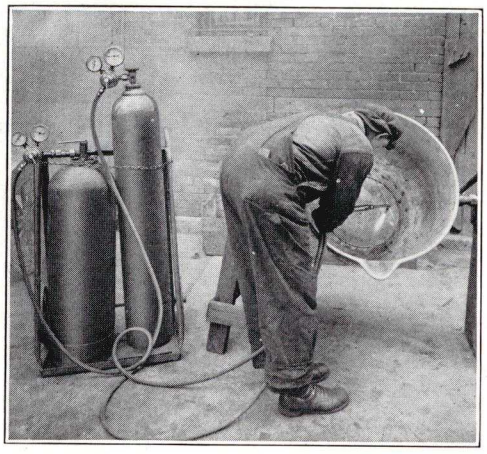
Code Word—Saadh

When ordering, specify acetylene regulator inlet.



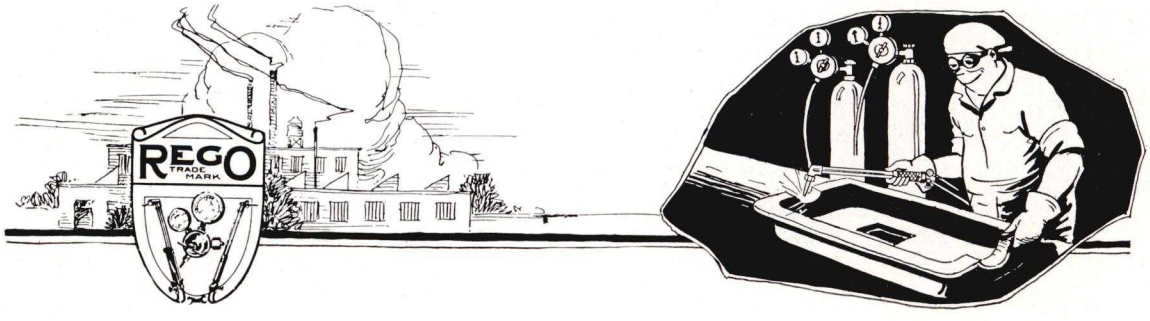
HERE is a good example of the type of work which is done with Rego Heavy-duty Welding Outfit No. 5503.

An accident cracked one of the flanges of the donkey engine drum used in a northwestern logging camp. Not wishing to pay $650.00 for a new drum, the owners brought it in to Seattle to be welded. With a Rego GL torch—equipped with the GL-A 24 in. mixer and GL-20 tip— the drum was put back in condition in short order at a cost of $288.80.

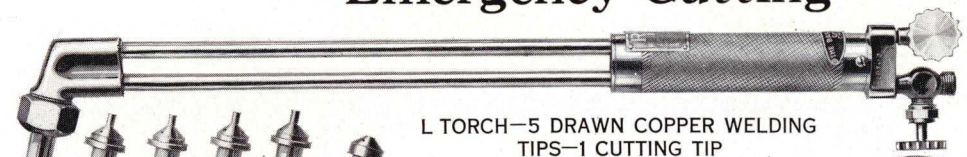


The chef in one of Chicago's large restaurants let the water get too low in this aluminum jacketed steam kettle. Result—it bulged so badly that welding was the only way to keep it from the scrap pile. The bulge was chiseled out and a new piece cut to fit. Then a Rego GS torch with a GS-44 tip was used to first tack, and then weld the patch in place.

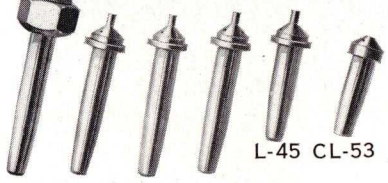
Aluminum welding is a tough job at best, and it is very important to have a torch you can rely on so that you can concentrate on the weld.



REGO Outfit No. 5501 for General Welding and Emergency Cutting



L TORCH—5 DRAWN COPPER WELDING TIPS—1 CUTTING TIP



L-45 CL-53

L-33 L-37 L-40 L-42

LISTED BY UNDERWRITERS LABORATORIES

1105V OXYGEN REGULATOR

1115V ACETYLENE REGULATOR

AND ACCESSORIES AS SHOWN BELOW

For use with medium pressure oxy-acetylene.
Range—All welding.
Emergency cutting up to 1 in. steel.

For ability to withstand hard knocks and give service under all conditions this outfit will beat anything you have ever used. It is popular in railroads, machine shops, for construction jobs and in industrial plants for all around welding.

The only joint in the entire length of the Rego L torch is where the tips seat into the head. The tubes are of a special non-bending alloy. The 5 pure drawn copper welding tips withstand lots of heat and give an ample range for general work. Simply changing to the CL cutting tip gives an emergency cutting torch capable of cutting up to 1 in. steel.

The regulators Nos. 1105V and 1115V deliver a large volume of gas at constant pressure at all times.

For details—L torch Pg. 23—1105V Pg. 38—1115V Pg. 40.

Outfit No. 5501 is furnished complete as illustrated packed in steel case.

No. 5501 Outfit—Wt., 32½ Lbs., $100.00

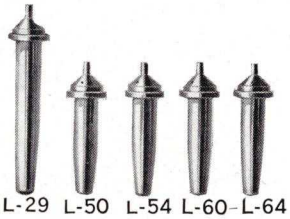
Code Word, Sab
When ordering, specify acetylene regulator inlet.

REGO Outfit No. 5502 for General Welding

For use with medium pressure oxy-acetylene.
Range—All Welding. No Cutting.

This outfit is for the shops in which there is no cutting to be done or in which there is a separate cutting unit. It contains all the equipment in the 5501 outfit as illustrated above except the CL-53 cutting tip. It also contains 5 additional welding tips as shown to the right—making 10 in all.

Outfit No. 5502 is furnished complete with all the equipment illustrated on this page except CL-53 tip, packed in steel carrying case.

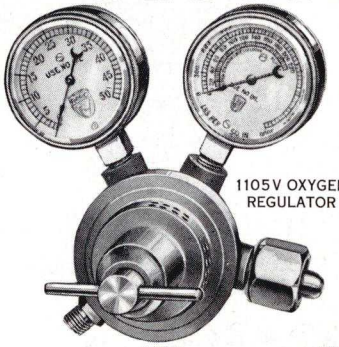


L-29 L-50 L-54 L-60 L-64

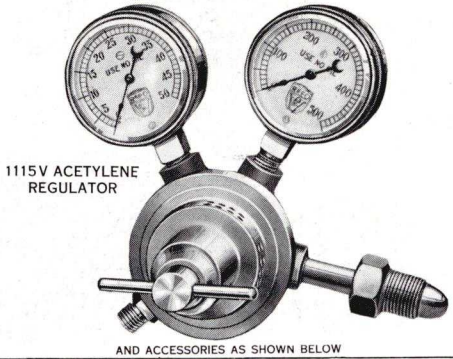
No. 5502 Outfit—Wt., 33½ Lbs.
Price $109.00

Code Word, Saba
When ordering, specify acetylene regulator inlet.

REGO Heavy Duty Welding Outfit No. 5503



LISTED BY UNDERWRITERS LABORATORIES



AND ACCESSORIES AS SHOWN BELOW

Uses Medium Pressure Oxy-acetylene. Range—All Welding within Limits of Process

Heavy welding jobs—such as locomotive frames and cylinders, punch press and other heavy machinery frames, and large castings—are the ones that show the stuff of which an outfit is made.

REGO Outfit No. 5503 excels on just such work. For the heaviest jobs the GL torch is used with the GL-A-24 inch mixer and any one of its assortment of three tips. Its length enables the operator to weld the hottest jobs with comfort. For ordinary or light work the torch is used with either the GL-B-12 inch mixer with one of its 3 tips, or the GL-A-6 inch mixer and one of its 4 tips.

Regulators No. 1105V and 1115V deliver large volumes of gas at constant pressure and insure a steady, non-fluctuating flame with even the largest tip. For further details see Regulator Section.

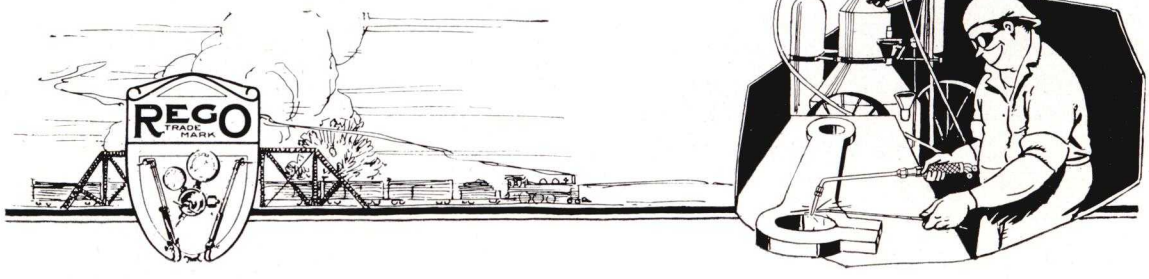
For details—GL torch Pg. 24—1105V Pg. 38—1115V Pg. 40

No. 5503 Outfit comes complete with all equipment as illustrated, packed in steel carrying case.

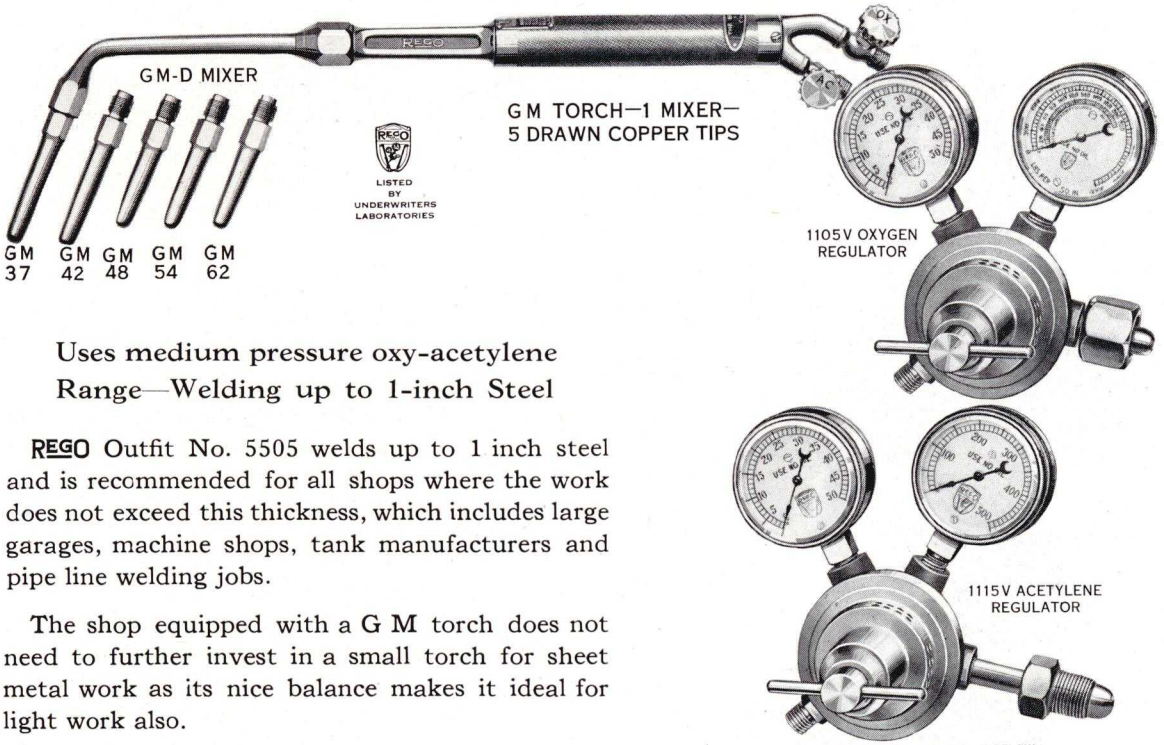
No. 5503 Outfit—Wt. 37 lbs.—$124.00

Code Word, Sabal

When ordering, specify acetylene regulator inlet



REGO Medium Welding Outfit No. 5505



Uses medium pressure oxy-acetylene Range—Welding up to 1-inch Steel

REGO Outfit No. 5505 welds up to 1 inch steel and is recommended for all shops where the work does not exceed this thickness, which includes large garages, machine shops, tank manufacturers and pipe line welding jobs.

The shop equipped with a G M torch does not need to further invest in a small torch for sheet metal work as its nice balance makes it ideal for light work also.

For details—GM torch Pg. 25—1105V Pg. 38—1115V Pg. 40

Outfit No. 5505 is furnished complete as illustrated, packed in steel carrying case.

No. 5505 Outfit—Wt. 32 lbs.—$93.00

Code Word, Sabama

When ordering specify acetylene regulator inlet

REGO General Welding Outfit No. 5504

Uses medium pressure oxy-actylene Range—General welding.

For general all around welding—as machinery repairs in factories and welding castings in foundries—the G M torch can be equipped with the GM-E-12 inch mixer, which increases its capacity to welding of 3 inch steel.

Outfit No. 5504 is the No. 5505 complete as illustrated above with the G M-E-12 inch mixer and tips No. GM-29, GM-33 and G M-70 added (8 tips in all), packed in steel carrying case.

No. 5504 Outfit—Wt. 35 lbs.—$105.00

Code Word—Saban

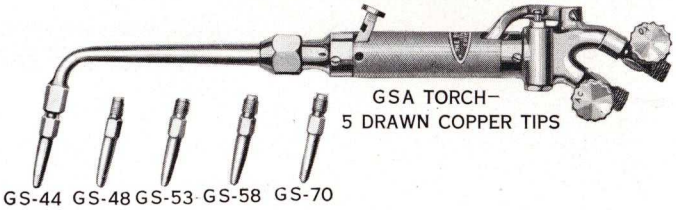
When ordering, specify acetylene regulator inlet.

REGO Sheet Metal Manufacturer's Outfit No. 5508

1105V OXYGEN REGULATOR

LISTED BY UNDERWRITERS LABORATORIES

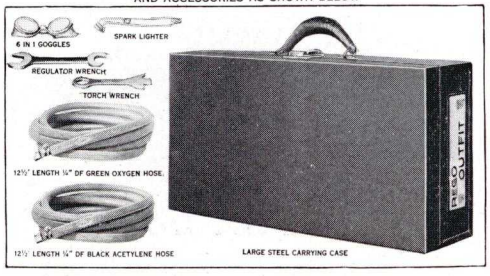
1115V ACETYLENE REGULATOR



GSA TORCH—
5 DRAWN COPPER TIPS

GS-44 GS-48 GS-53 GS-58 GS-70

AND ACCESSORIES AS SHOWN BELOW



Uses Medium Pressure Oxy-acetylene Range—Welding up to 5/16-inch Steel

This outfit fills a long felt need in the production welding field. It was formerly necessary for the operator to shut off his torch at the needle valves—and waste time,—or leave his torch burning—and waste gas,—in between each welding operation. With the Rego GSA torch; to shut off—touch the thumb button. Zip! The flame is out. Engage the catch—snap a lighter. Zip! The flame is burning as before. This feature alone speeds up production and provides a saving in gas bills of 20 to 35% which soon repays many times the cost of the outfit.

The regulators Nos. 1105V and 1115V are of the Rego positive shut-off type which means that they have few moving parts. With good care they will last indefinitely.

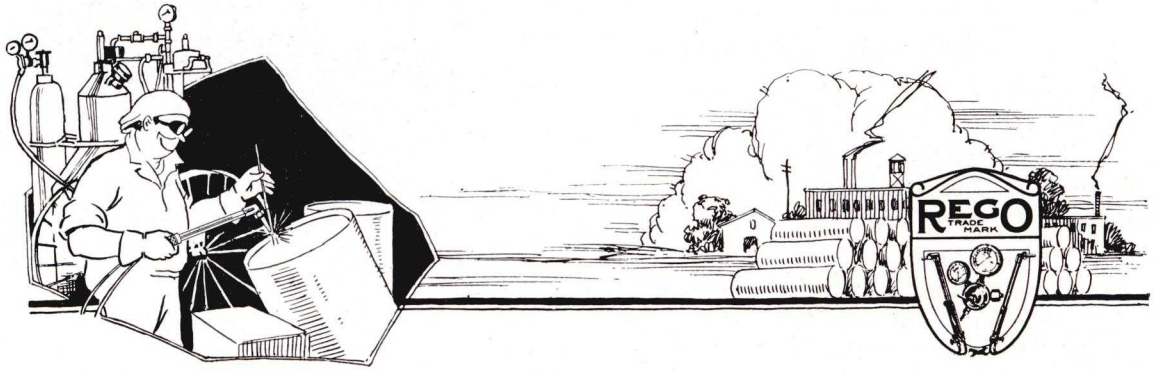
For details—GMA torch Pg. 26—1105V Pg. 38—1115V Pg. 40

Outfit No. 5508 is furnished complete as illustrated, packed in steel carrying case.

No. 5508 Outfit—Wt. 32 lbs.—Price $95.00

Code Word, Sabat

When ordering, specify acetylene inlet



REGO General Production Outfit No. 5506

GM 42 GM 48 GM 54 GM 62 GM 70

GM 33 GM 29 GM 37

GMA TORCH—2 MIXERS—
8 DRAWN COPPER TIPS

Uses medium pressure oxy-acetylene Range—General Welding

LISTED BY UNDERWRITERS LABORATORIES

Although this outfit with its GMA Automatic Shut-off torch makes its greatest saving on production jobs where the same operation is repeated over and over, it is also popular in job shops, for pipe line welding, and construction work.

On any welding job it is often necessary to lay the torch down between operations. With the GMA; release the catch—Zip—the flame is out and you can lay it anywhere. Pick it up—push down the catch—strike a lighter—and start welding.

The two large regulators Nos. 1105V and 1115V have the patented Rego double spring which insures that they deliver a non-fluctuating gas supply at all pressures.

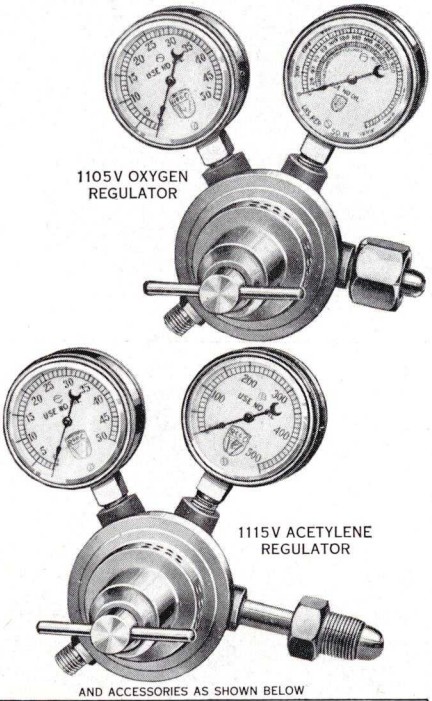
For details—GMA torch Pg. 26—1105V Pg. 38—1115V Pg. 40

Outfit No. 5506 is furnished complete as shown, packed in steel carrying case.

No. 5506 Outfit—Wt. 34 lbs.—Price $115.00

Code Word, Sabath

When ordering, specify acetylene regulator inlet



AND ACCESSORIES AS SHOWN BELOW

REGO Medium Production Outfit No. 5507

Uses medium pressure oxy-acetylene Range—Welding up to 1 inch

REGO Outfit No. 5507 is for the production shop where the welding is limited to 1 inch. It is the 5506 outfit except that the GMA torch comes with only the GM-D-6-inch mixer, and 5 tips Nos. 37, 42, 48, 54 and 62; i.e., the GM-E-12-inch mixer and tips 70, 33, and 29 are omitted.

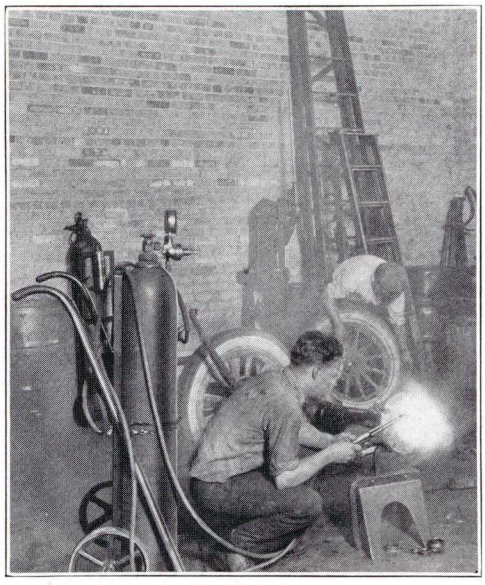
Outfit No. 5507 contains all the equipment shown on this page except GM-E-12-inch mixer, and tips GM 70, 33 and 29 packed in steel case.

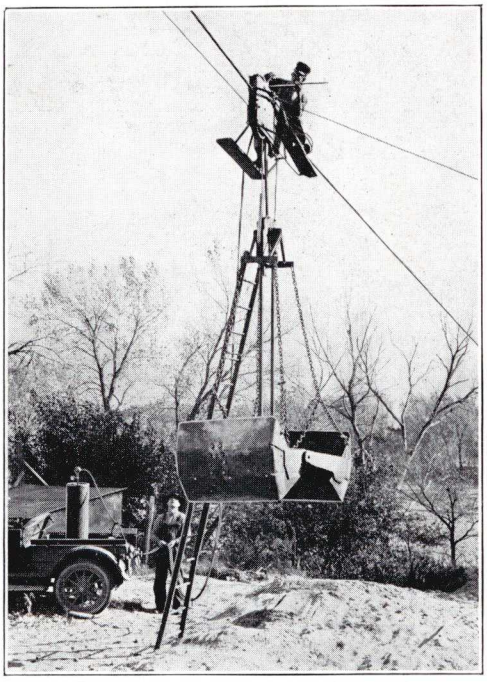
No. 5507 Outfit—Weight 32½ lbs.—Price $103.00

Code Word, Sabba

When ordering, specify acetylene regulator inlet

Big Profits for the Garage with a REGO Outfit





THE garage not equipped with a Rego Auto Service Outfit is passing up one of the best paying repair operations. It brings customers back, because with Rego you reclaim parts which would otherwise be junked, and save the customer the time and cost of getting new parts. That is also the reason the repair will stand a large margin of profit.

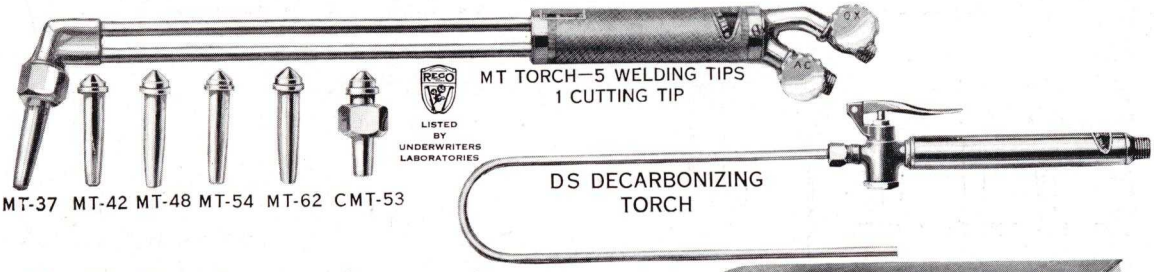
There is nothing complicated or mysterious about the welding process. Every Rego Garage Outfit contains a Welding Encyclopedia which gives complete information on how to do all types of work, and with its aid any good mechanic can with a little practice take care of all ordinary welding jobs.

And welding is only one of the many uses for the outfit. Heating bushings to shrink them in place, heating shafts and frames for straightening, soldering radiators and electrical connections, repairing batteries, removing rusty nuts and bolts are only a few of the everyday operations which make a Rego outfit one of the most generally used equipments in the shop.

The photograph above shows an axle, which has been bent in a collision, being heated preparatory to straightening.

The one opposite illustrates an unusual job being done with a Rego 5601 small garage outfit. The housing on a clam shell bucket cracked in the midst of a big job. The local repair man was called on to weld the break. One hour's work brought him a net profit of $4.00. You can take care of many emergency jobs such as this if you have a Rego Auto Service Outfit.

REGO Auto Service Outfit No. 5703


MT TORCH—5 WELDING TIPS
1 CUTTING TIP
LISTED BY UNDERWRITERS LABORATORIES
DS DECARBONIZING TORCH
MT-37 MT-42 MT-48 MT-54 MT-62 CMT-53

Uses Medium Pressure Oxy-acetylene Range—Welding up to 1 in. Cutting up to 1 in. Lead burning, carbon burning and soldering.

REGO Outfit No. 5703 contains all the equipment required for the oxy-acetylene process in an auto repair shop of any size. Each item has been carefully selected to give good service even in the hands of comparatively inexperienced operators.

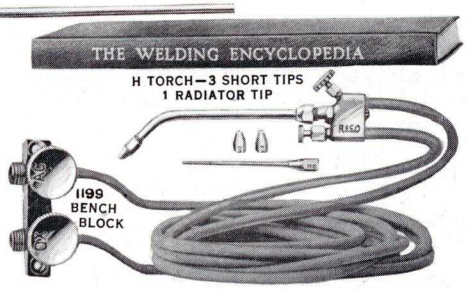
The MT torch with its 5 pure copper welding tips will handle all welding and heating jobs on car frames, crank cases, housings, etc. The CMT cutting tip transforms it into a cutting torch which will cut up to 1 in. metal. The H torch with its 3 short and 1 long tips, takes care of all lead burning, soldering and radiator repairs. The DS decarbonizing torch brings in the profits on carbon burning, and the Welding Encyclopedia gives complete instructions on how to do all types of work.

For details—MT Torch Pg. 23—H Torch Pg. 27
DS torch Pg. 30—1086V Pg. 38
1063V Pg. 40

REGO Outfit No. 5703 is furnished complete as illustrated, packed in steel carrying case.

No. 5703 Outfit—Weight, 20 Lbs.—$92.00
Code Word, Sabban

When ordering specify acetylene regulator inlet.



AND ACCESSORIES AS SHOWN BELOW

SPARK LIGHTER
REGULATOR WRENCH
TORCH WRENCH
12½′ LENGTH 1/4″ SF BLACK ACETYLENE HOSE
12½′ LENGTH 1/4″ SF GREEN OXYGEN HOSE
SMALL STEEL CARRYING CASE.

REGO Auto Service Outfit No. 5704

When ordering, specify acetylene regulator inlet.

Uses Medium Pressure Oxy-acetylene. Range—Welding up to 1 in. Cutting up to 1 in.

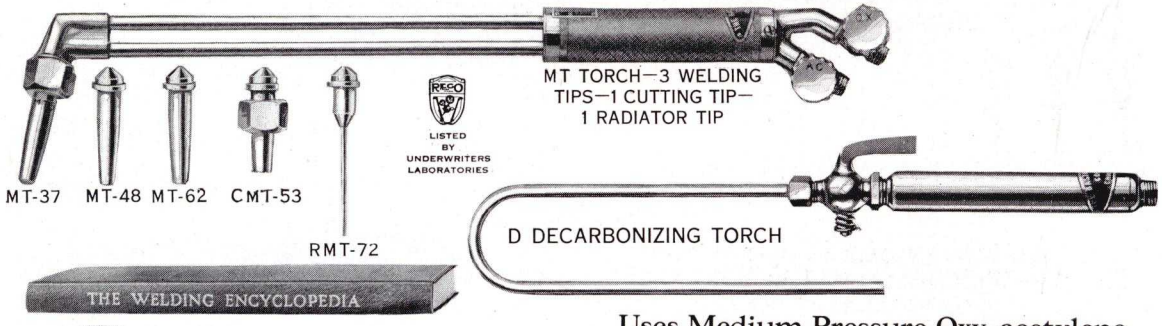
The 5704 outfit is the 5703 outfit with the GM torch, shown here substituted for the MT torch and tips.

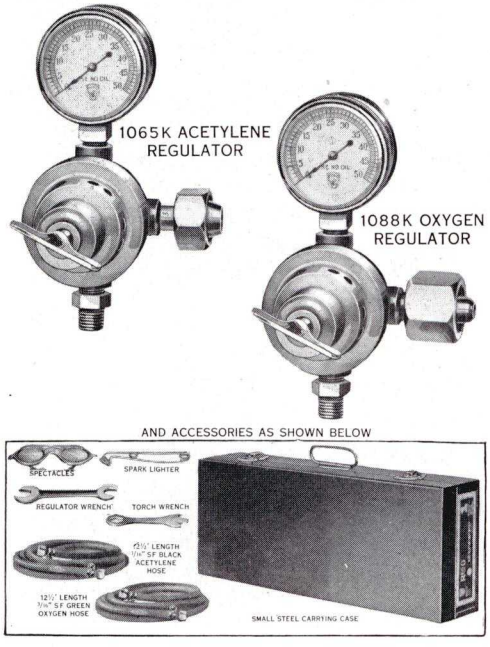
For details—GM Torch Page 25

Packed in steel carrying case.

No. 5704 Outfit—Weight, 20 Lbs.—$97.00
Code Word, Sabbat

REGO "Little Six" Outfit No. 5601





Uses Medium Pressure Oxy-acetylene.
Range—Welding up to 1 in.
Cutting up to 1 in.

REGO "Little Six" Outfit No. 5601 is an outfit assembled to meet the requirements of the small garage. Each item has been specially selected because of its ability to give service in the hands of even the comparatively inexperienced operator. It is complete as illustrated—the best value in welding equipment on the market today.

This outfit is called the "Little Six" because it takes care of all six of the repair shop operations for which the oxy-acetylene torch is needed—Welding, Cutting, Lead burning, Carbon burning, Soldering and Heating.

Torch details—MT torch Pg. 23.—1088K Pg. 38.—1065K Pg. 40.

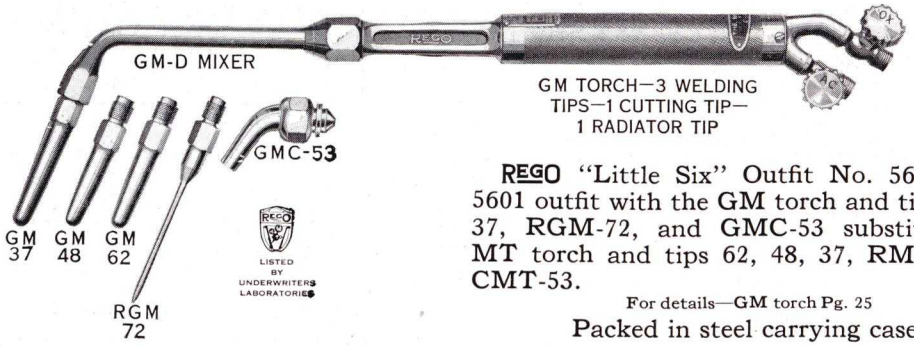
REGO Outfit No. 5601 is furnished complete as illustrated, packed in welded steel carrying case.

"Little Six" No. 5601 Outfit—Weight, 17 Lbs.—Price $65.00

Code Word Sabbe

When ordering specify acetylene regulator inlet.

REGO "Little Six" Outfit No. 5602



Uses Medium Pressure Oxy-acetylene.
Range—Welding up to 1 in.
Cutting up to 1 in.

REGO "Little Six" Outfit No. 5602 is the 5601 outfit with the GM torch and tips 62, 48, 37, RGM-72, and GMC-53 substituted for MT torch and tips 62, 48, 37, RMT-72 and CMT-53.

For details—GM torch Pg. 25

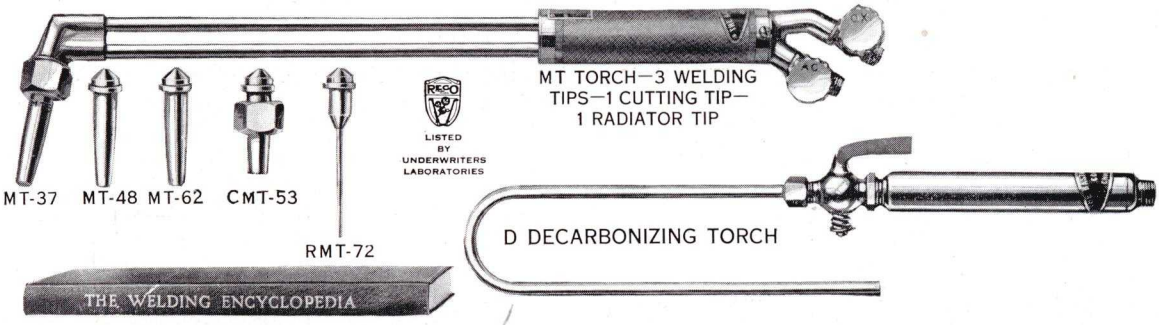
Packed in steel carrying case.

"Little Six" Outfit No. 5602—Weight, 17 Lbs.—Price $71.50

Code Word Sabby

When ordering specify acetylene regulator inlet.

REGO "Little Six" Outfit No. 5701



Uses Medium Pressure Oxy-acetylene
Range—Welding up to 1 in.
Cutting up to 1 in.

REGO "Little Six" Outfit No. 5701 is the No. 5601 outfit with double gauge regulators. If a shop charges the customer for the amount of gas used—or if it is not possible to get fresh tanks on short notice, it is important to have regulators with two gauges so that the amount of gas in the tank can be read at any time.

The MT torch is furnished with 3 welding tips, a special long tip—RMT-72—for work in the honey comb of radiators, and for lead burning; and a CMT tip for cutting up to 1 in. metal. The Welding Encyclopedia contains complete instructions on how to do all types of automotive and other welding jobs.

For details—MT Torch Pg. 23—D Torch Pg. 30
1086V, Page 38—1063V, Page 40

REGO Outfit No. 5701 is furnished complete as illustrated, packed in steel carrying case.

"Little Six" Outfit No. 5701—Weight 18½ lbs.—Price $72.50

Code Word, Sabda

When ordering, specify acetylene regulator inlet.

AND ACCESSORIES AS SHOWN BELOW

REGO "Little Six" Outfit No. 5702

Uses Medium Pressure Oxy-acetylene
Range—Welding up to 1 in.
Cutting up to 1 in.

REGO Outfit No. 5702 is the 5701 outfit with the GM torch and tips 62, 48, 37, RGM-72 and GMC-53 substituted for MT torch and tips 62, 48, 37, RMT-72 and CMT-53.

For details—GM Torch Pg. 25

Packed in steel carrying case.

"Little Six" Outfit No. 5702—Weight 18½ lbs.—Price $79.00

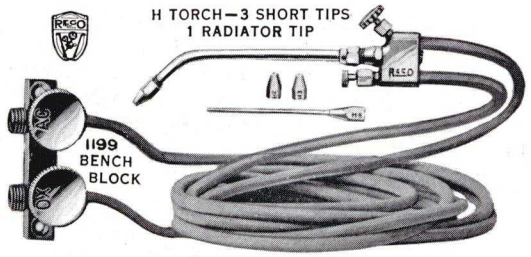
Code Word, Sabdi

When ordering, specify acetylene regulator inlet.

REGO Lead Burning Outfits

Listed by Underwriters Laboratories

REGO Lead Burning Outfits are especially adapted for lead burning, sheet metal welding up to 16 gauge, auto radiator repair, tinsmithing, jewelry manufacture and repair, and all similar work. They are noted for the fast accurate work which they enable the operator to do. The control valves of the "H" torch are located so that they can be adjusted by a touch of the thumb of the hand holding the torch, while working. Each outfit is equipped with 3 short tips for ordinary work, and a long tip for working in around the honey comb of a radiator or other inaccessible places.



Rego Outfit No. 5801
Uses Oxygen and Acetylene

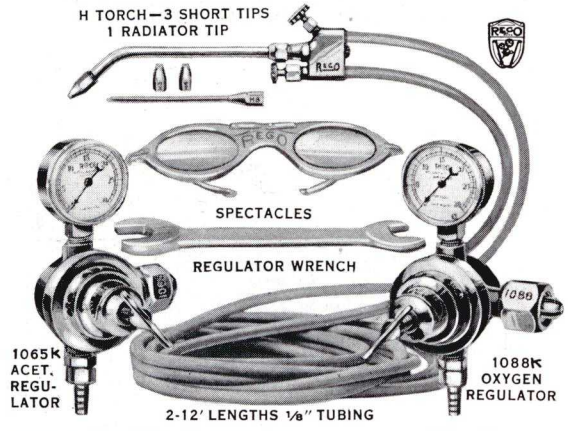
This outfit is intended for the shop which already has a welding outfit, and wants to add a lead burning unit to it.

For details—H torch Pg. 27—Bench Block Pg. 19

Furnished complete as illustrated packed in carton.

No. 5801 Outfit—Wt. 1 lb.—Price $10.00

Code Word, Sabel



Rego Outfit No. 5802
Uses Oxygen and Acetylene

Outfit No. 5802 is a complete portable outfit for shops in which the work is not all done at a bench, but the outfit and tanks are taken wherever the job happens to be.

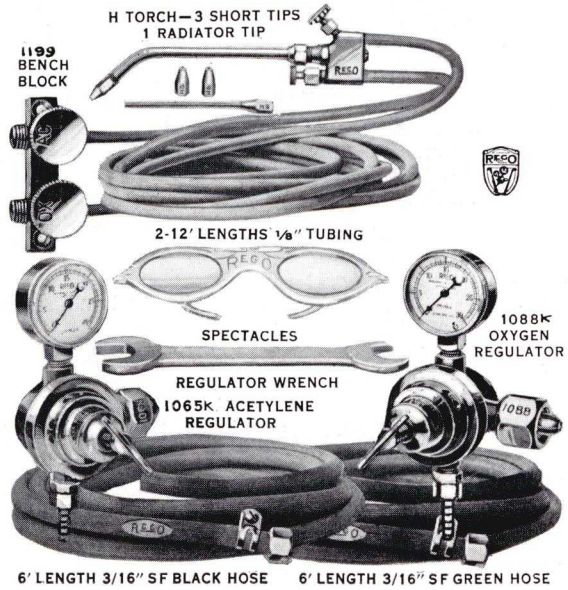
For details—H torch Pg. 27—1088K Pg. 38—1065K Pg. 40.

Furnished complete as illustrated, packed in carton.

No. 5802 Outfit—Wt. 9 lbs.—Price $33.00

Code Word, Saber

When ordering specify acetylene regulator inlet



Rego Outfit No. 5803
Uses Oxygen and Acetylene

In most shops the lead burning and battery service work is done at a bench and it is a decided advantage to be able to shut off the gases without going to the tanks. The 5803 outfit provides for this with a bench block which is screwed to the bench, and gives an intermediate shut off. The bench block also permits easier movement of the torch because a light hose is used between the block and the torch.

For details—H torch Pg. 27—1088K Pg. 38—1065K Pg. 40
Bench block Pg. 19

Outfit No. 5803 furnished complete with all the equipment as illustrated.

No. 5803 Outfit—Wt. 10½ lbs.—Price $38.00

Code Word, Saberd

When ordering, specify acetylene regulator inlet

Rego Lead Burning Outfits
(Continued)

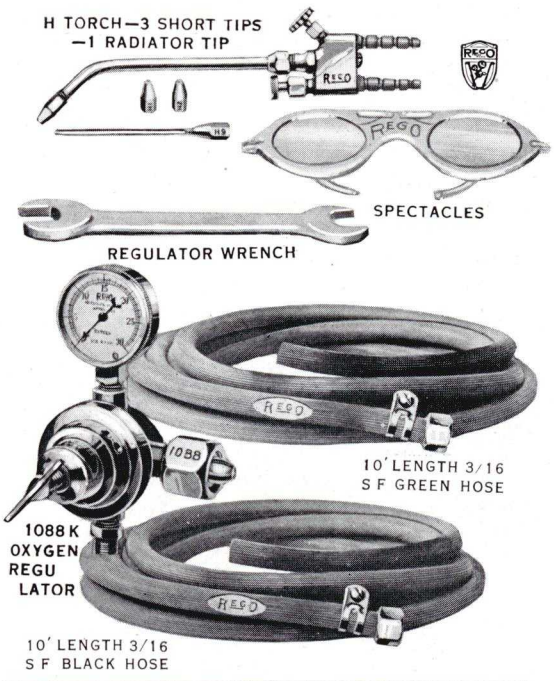
Rego Outfit No. 5804
Uses Oxygen and City or Natural Gas

This outfit is popular with shops located in the city because they are able to use as a fuel gas the gas from the city mains, and need buy only the oxygen in cylinders. Although not as hot as the oxy-acetylene flame, the oxy-city gas flame develops plenty of heat for fast lead burning, soldering and radiator repair.

For details—H Torch, Pg. 27—1088K, Pg. 38.

Outfit No. 5804 is furnished complete as illustrated, packed in carton.

No. 5804 Outfit—Weight, 8 Lbs.—$25.00
Code Word, Sabian



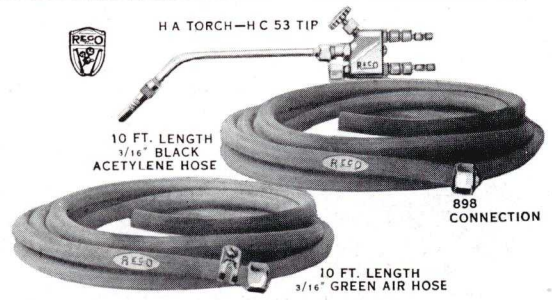
Rego Outfit No. 5805
Uses Acetylene and Compressed Air

This outfit makes an excellent all around lead repair outfit. Although not as fast as the outfits using other combinations of gases, it will do lead burning, and is just the thing for soldering and miscellaneous repair jobs. For use with acetylene lighting tank—no regulator is necessary as the flow is controlled by the tank valve.

For details—H Torch, Pg. 27.

Outfit No. 5805 comes complete as illustrated, packed in carton.

No. 5805 Outfit—Weight, 2 Lbs.—$11.50
Code Word, Sabicu



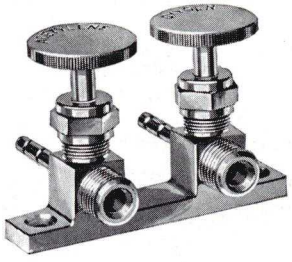
Rego Bench Block No. 1199

REGO Brass Bench Block No. 1199 is fastened to the work bench and permits shutting off gas without moving from the bench. It relieves hand strain because a light piece of hose is connected from the bench block to the torch. Insures more accurate movement of the torch.

Inlets —Standard GPA left hand for gas, right hand for oxygen, tail piece for $\frac{3}{16}$ in. hose.

Outlets—Slip connections for $\frac{1}{8}$ in. tubing.

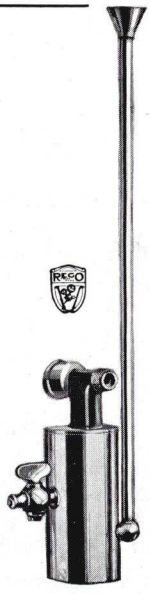
No. 1199 Bench Block—Weight, $\frac{1}{2}$ Lb.—Price $3.30
Code Word, Sabie



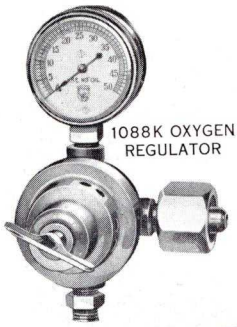
Rego Water Seal No. 1330

Local ordinances in some cities require the use of a water seal when city gas is used as a fuel gas such as with Rego Outfit 5804. Rego Water Seal No. 1330 will supply sufficient gas for one H torch. It is made of brass, accurately finished. Inlet $\frac{3}{8}$ in. female pipe thread; outlet standard G. P. A. left hand gas connection with tail piece for $\frac{3}{16}$ in. hose.

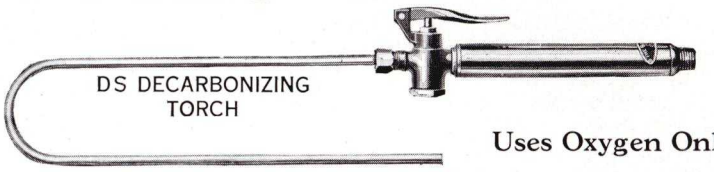
No. 1330 Water Seal—Weight, 1 Lb. $6.00
Code Word, Sabils



REGO Carbon Burning Outfit No. 5901



1088K OXYGEN REGULATOR



DS DECARBONIZING TORCH

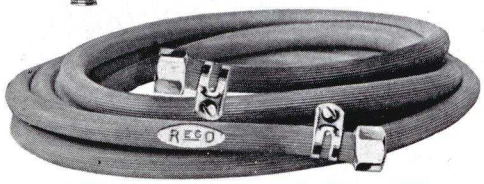
Uses Oxygen Only

This outfit is used for burning carbon from combustion engine cylinders by the use of oxygen. This is an operation which brings in nice profits on a small initial investment.

Does not damage the cylinder and is much quicker and more efficient than the old scraping or brushing method as it is not necessary to remove the cylinder head.

For details—DS torch Pg. 30 .—1088 K, Pg. 38.

No. 5901 Outfit is furnished complete as illustrated, packed in carton.

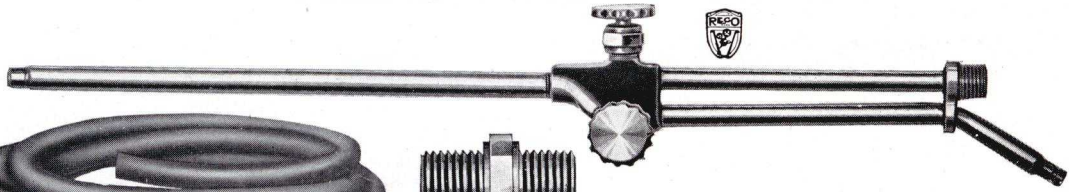


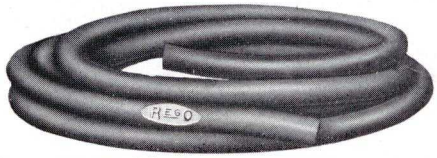
10 FT. 3/16" S. F. GREEN OXYGEN HOSE

No. 5901 Outfit—Wt. 7 lbs.—Price $16.50

Code Word, Sabina

REGO Type Compressed Air-Kerosene Engine Cleaning Outfit No. 5301

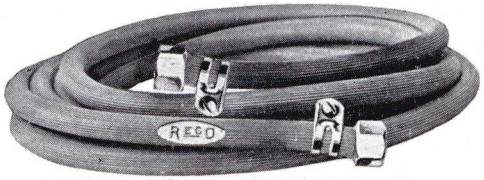




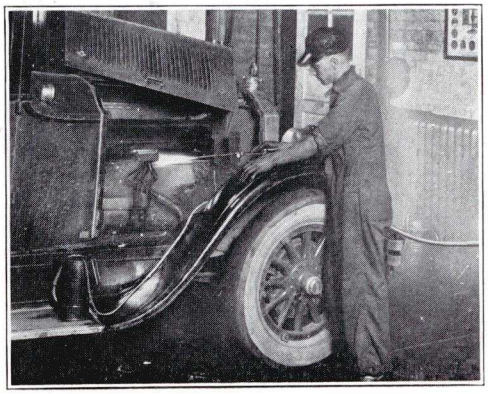
10 FT. 1/8" RUBBER TUBING

1200 BUSHING

Uses Compressed Air and Kerosene



12½ FT. 3/16" S. F. GREEN AIR HOSE



No matter how dirty and grease covered an engine may be, a blast from the Rego Engine Cleaning torch will make it look like new. Simply connect air hose to compressed air line of 60 or 70 lbs. pressure, drop the oil hose in a pail of kerosene and open the valves. The kerosene softens and loosens the grease and the air cuts and removes it quickly, leaving the parts clean as new.

Length of torch 15½ in. Weight 10 oz.

Outfit No. 5301 comes complete as illustrated, packed in carton.

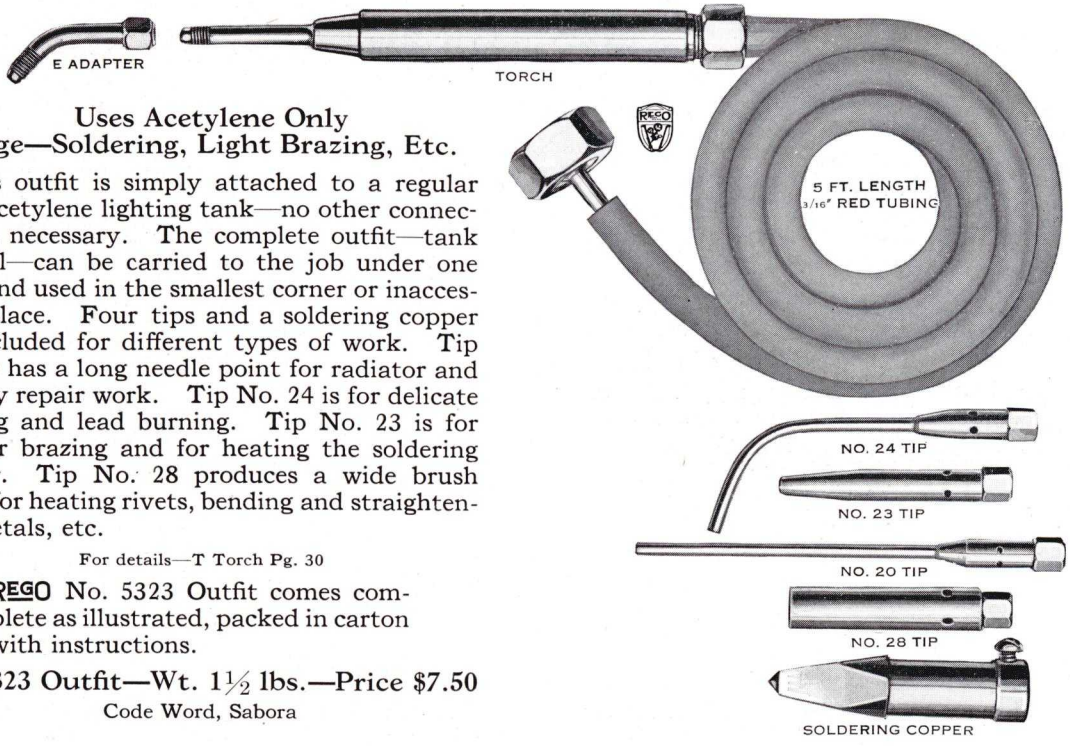
No. 5301 Outfit—Wt. 2 lbs.—Price $10.00

Code Word, Sabir

Rego Engine Cleaner only. Price $6.50

Code Word, Sable

REGO Soldering and Brazing Outfit No. 5323



Uses Acetylene Only
Range—Soldering, Light Brazing, Etc.

This outfit is simply attached to a regular auto acetylene lighting tank—no other connection is necessary. The complete outfit—tank and all—can be carried to the job under one arm, and used in the smallest corner or inaccessible place. Four tips and a soldering copper are included for different types of work. Tip No. 20 has a long needle point for radiator and battery repair work. Tip No. 24 is for delicate brazing and lead burning. Tip No. 23 is for heavier brazing and for heating the soldering copper. Tip No. 28 produces a wide brush flame for heating rivets, bending and straightening metals, etc.

For details—T Torch Pg. 30

REGO No. 5323 Outfit comes complete as illustrated, packed in carton with instructions.

No. 5323 Outfit—Wt. 1½ lbs.—Price $7.50
Code Word, Sabora

REGO Tank Trucks

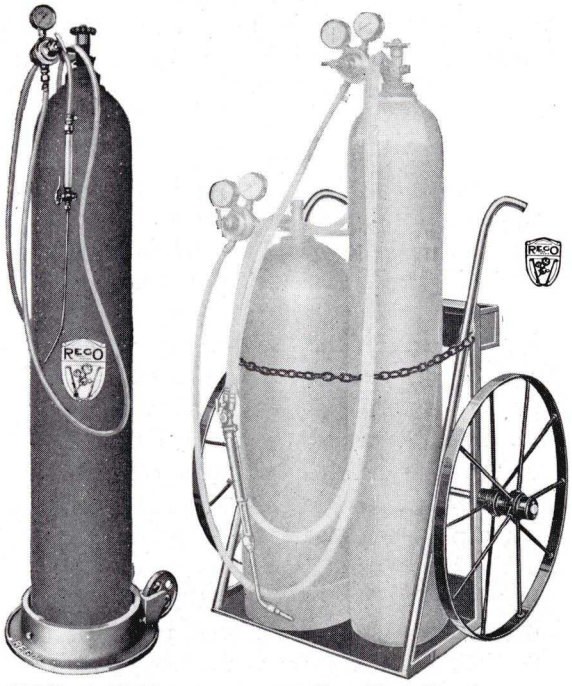
Every owner of a welding outfit needs a tank truck in order to move his outfit around and to prevent the expensive damage to the equipment caused by the falling over of unsupported cylinders.

REGO No. 847 Truck holds two 200 ft. cylinders. Made of welded steel tubing with corrugated steel platform which keeps tanks from sliding. The convenient tool box holds tips and wrenches. Wheels are 24 inches in diameter.

REGO No. 846 Tank holder holds one 200 ft. oxygen or hydrogen cylinder for use with carbon burning, brazing, and balloon filling outfits.

REGO 847 Two Tank Truck—Wt. 69 lbs.
Price $18.00*
Code Word, Sabot

REGO 846 Tank Holder—Wt. 16¼ lbs.
Price $4.50
Code Word, Sabre



846 Tank Holder

847 Two Tank Truck

Why the REGO "Lower Oxygen Pressure" Method of Gas Mixture is Correct

The two universally recognized principles of oxy-acetylene torch construction are as follows:

1. An oxy-acetylene flame requires for its complete combustion 2½ volumes of oxygen for each volume of acetylene, of which one volume should come from the cylinder, and 1½ volumes from the air. In other words the oxygen for which you pay should be used in equal volumes (not pressures) with the acetylene—1 volume of oxygen to 1 volume of acetylene.

2. An oxy-acetylene torch should not flash back.

In an oxy-acetylene flame, any excess acetylene is instantly detected by the ragged edge of the cone (see carbonizing flame on back cover), and is at once corrected by the operator. The change in the cone caused by excess oxygen is very difficult to notice and even the best operators will sometimes weld with a slightly oxidizing flame without noticing it. (See back cover for extreme stage of oxidizing flame. The weld would be ruined long before that stage was reached.)

In chapter six of Granjon & Rosemberg, a recognized authority on the oxy-acetylene process, are given the results of gas consumption tests made with torches using oxygen pressures higher than the acetylene. The best result shown is: oxygen 1.35, acetylene 1; and the worst, oxygen 1.95, acetylene 1—a waste of from 35 to 95% oxygen. With the Rego torch which uses an oxygen pressure lower than the acetylene, it is impossible to unintentionally get an oxidizing flame, and the rate of oxygen to acetylene used will always be found to be exactly 1 to 1.

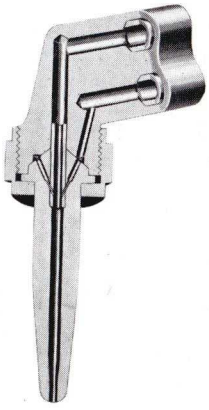
In a Rego torch, every time there is a condition present which would tend to produce a flash, the acetylene, being under slightly greater pressure, partially or completely shuts off the oxygen, thus preventing the burning back of the flame to the point of mixture. As soon as the obstruction is removed, the flame goes back to normal.

In short, in order to both eliminate flashbacks and use only 1 volume of oxygen to 1 volume of acetylene, it is necessary that a torch operate on an oxygen pressure slightly lower than that of the acetylene. The right of Rego to this method of gas mixture is protected by a basic patent (U. S. Pat. 1, 301, 044).

To those for whom, perhaps, logic has no appeal, we say this: "Put a Rego outfit in your place and try it out for a week or ten days. Let it demonstrate that it will save you time, worry, gas and money; that it will make a better, cleaner weld; that it is the most economical, the best built, the most satisfactory in every way. We want your business; we want it on a basis of sheer merit. WE KNOW THAT IN SERVICE REGO WILL PROVE ITSELF.

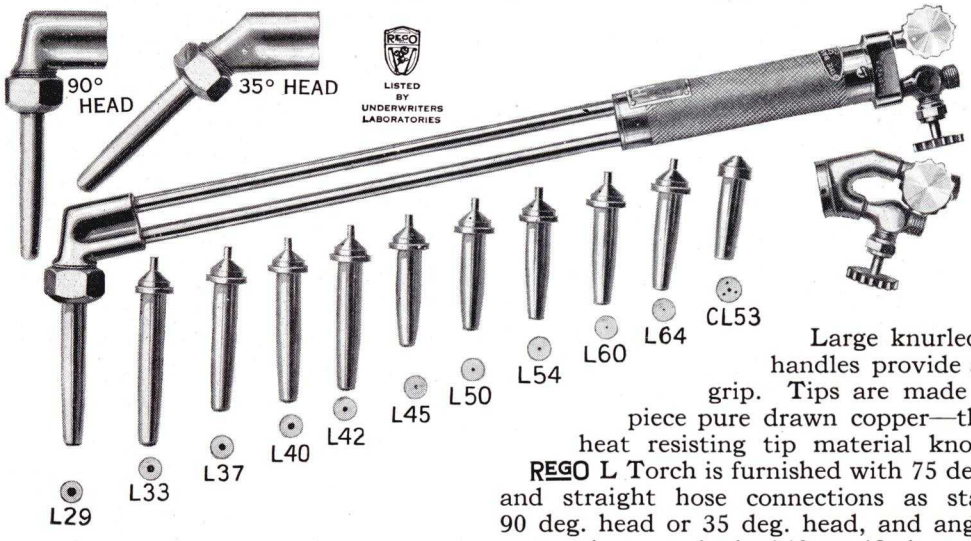
If you are interested further in the details of the Rego method of gas mixture, write for Rego Booklet "Facts."

REGO Tip Mixing Torches



To obtain the maximum efficiency with each tip, a torch must have a mixing chamber for each tip. In Rego Tip Mixing Torches, the mixing chamber is drilled as a part of each tip, so that when the tip is changed the mixing chamber is automatically changed. Rego Tips are of one piece construction and of copper, which combination will resist more heat than any other metal or type of construction. The Rego method of gas mixture insures 100% value from the gases. There can be no unused oxygen or acetylene passing through the flame. Because of the low pressures used, (see page 34) all of the gas is used from both cylinders.

REGO L Tip Mixing Welding Torch



Uses Medium Pressure Oxy-acetylene or Oxy-hydrogen. Range—General welding, emergency cutting up to 1 in.

Length 20½ in. Weight 34 oz.
Acetylene hose connection No. 1304
Oxygen hose connection No. 1204

REGO L is a general utility torch for all classes of work and is constructed to withstand rough usage and a wide range of work. The only joint in its entire length is where the tip seats into head. Tubing is made of special non-bending alloy. Tobin bronze bodies and monel stems insure long lasting needle valves. Large knurled wheel handles provide an easy grip. Tips are made of one piece pure drawn copper—the best heat resisting tip material known.

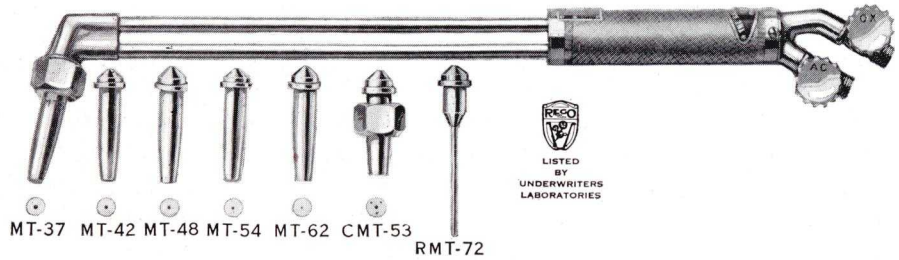
REGO L Torch is furnished with 75 deg. head and straight hose connections as standard. 90 deg. head or 35 deg. head, and angle hose connections can be had if specified.

See page 34 for tip capacities, and page 49 for hose connections.

A wrench is furnished with each torch.

Description	Wt. Lbs.	Code Word	Price Each
L Torch—no tips	2¼	Sac	$24.25
L oxy-acetylene tips	¼	Sacar	2.65
L Torch—any 5 welding tips. Nos. 33, 37, 40, 42, 45. and 50 furnished as standard	3½	Saccos	37.50
L Torch—10 welding tips	4¾	Sace	50.00
CL oxy-acetylene emergency cutting tip	3/16	Sacles	3.40
LH oxy-hydrogen tips	¼	Sacque	2.65

REGO MT Tip Mixing Welding Torch



Uses Medium Pressure Oxy-acetylene. Range—Medium welding and cutting up to 1 in.

Length—18½ in. Weight—23 oz.
Acetylene hose connection No. 1303
Oxygen hose connection No. 1203

The MT torch is similar to the L torch but is smaller and is for medium welding and emergency cutting up to 1 in. It has an assortment of 5 pure drawn copper welding tips, 1 CMT cutting tip, and a special tip, RMT, for lead burning and radiator repairing.

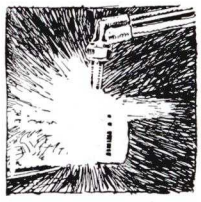
See page 34 for tip capacities, and page 49 for hose connections.

A wrench is furnished with each torch.

Description	Wt. Lbs.	Code Word	Price Each
MT Torch—no tips	1½	Sacra	$18.50
MT Welding tips—each	3/16	Sacre	2.00
MT Torch—5 welding tips	2½	Sad	28.50
CMT Cutting tips with nut	3/16	Saddle	4.15
CMT Tip Nuts—each	1/16	Sade	.75
RMT Radiator tips—each	⅛	Sadely	1.75

REGO Gooseneck Welding Torches

For some types of work—as welding in corners, in close quarters, and on hot, heavy jobs where an extension is needed—a torch of gooseneck construction is preferable. The Rego gooseneck torch, which operates on the Rego principle of gas mixture, contains many points of superiority over the ordinary gooseneck.



The gases do not mix in the handle, but in a special forged mixing chamber located in front of the handle. This is important as the mixed gases burn with a temperature of about 5600 degrees F.

The advantage of the Rego gooseneck torch is that because of its small head it can work in corners and at angles which would be awkward for the ordinary torch. The Rego gooseneck can be used in the hottest corner or inaccessible place without fear of flash back. (See discussion on page 22.)

The one piece pure drawn copper tips produce a long, coned, soft neutral flame which fuses and does not blow the welding metal.

The needle valves have large knurled wheels which make them easy to adjust. Tobin bronze bodies and monel stems insure long life free from leaks.

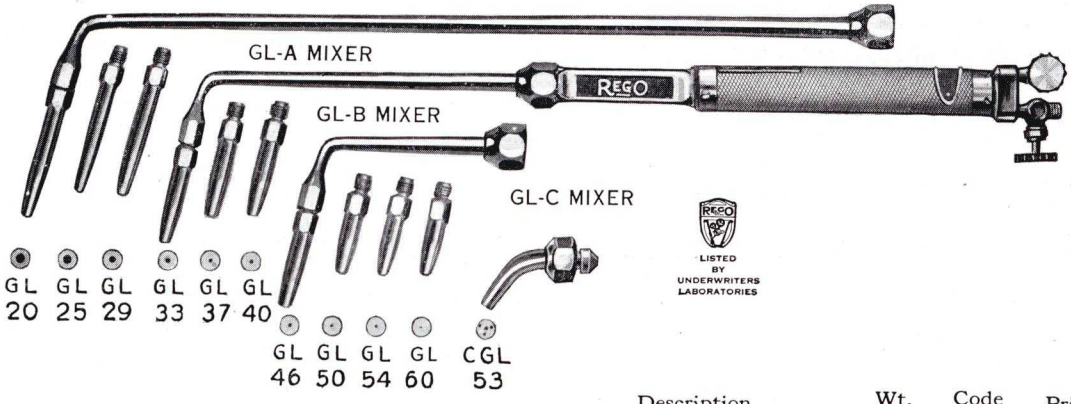
Rego gooseneck torches are exceptionally light and well balanced, and never tire the operator. The standard angle head is 75 deg., but any angle will be furnished on special order.

REGO GL Gooseneck Welding Torch

Uses medium pressure oxy-acetylene.

Range—All welding within limits of process, and emergency cutting up to 1 in.
Length—with 12-in. mixer, 23½ in.

Weight—with 12-in. mixer, 43 oz.
Acetylene hose connection No. 1304.
Oxygen hose connection No. 1204.



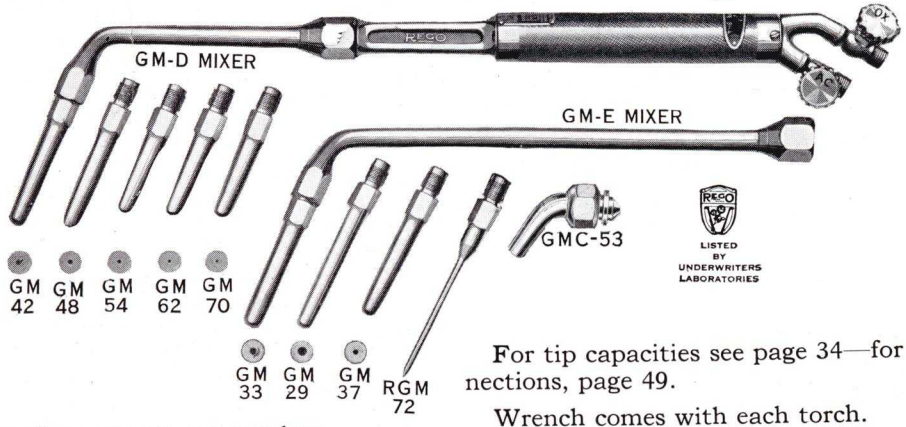
REGO GL torch is specially designed for heavy duty work such as locomotive frames and cylinders, and heavy machinery welding. An ideal torch for hot jobs. It saves the operator.

The substantial handle, forged head and valve body prevent destruction of the torch if accidently dropped or run over. It is a "he man" torch. See page 34 for tip capacities, and page 49 for hose connections.

A wrench is furnished with each torch.

Description	Wt. Lbs.	Code Word	Price
GL torch only—no mixer or tips	2¼	Sadh	$22.75
GL-A-24-in. mixer for use with GL-20, 25, and 29 tips	1⅜	Sado	9.60
GL-B-12-in. mixer for use with GL-33, 37, and 40 tips	¾	Sadr	7.65
GL-C-6-in. mixer for use with GL-46, 50, 54 and 60 tips	½	Saduce	6.00
GL welding tips, each	¼	Sae	2.00
CGL cutting tip, with nut	¼	Sael	6.15
CGL tip nut only	1/16	Saer	.75
GL torch complete, with 3 extensions and 10 tips	6¾	Saf	66.00

REGO GM Gooseneck Welding Torch



Uses medium pressure oxy-acetylene
Range—General welding. Emergency cutting up to 1 in.
Length—With 6 in. Mixer, 19 in.
Weight—With 6 in. Mixer, 27 oz.
Acetylene hose connection No. 1304.
Oxygen hose connection No. 1204.

REGO GM is an excellent torch for all around work, such as welding in large machine shops, on pipe lines, and in factories. It has an assortment of 2 mixers and 8 welding tips.

Special tips, GMC-53, for emergency cutting up to 1-inch, and RGM-72, for radiator or lead burning work may also be had.

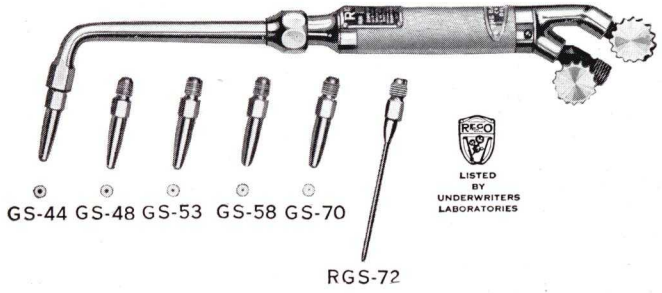
Torch is furnished with 75 deg. angle head as standard, but any angle may be had on special order.

For tip capacities see page 34—for hose connections, page 49.

Wrench comes with each torch.

Description	Wt. Lbs.	Code Word	Price
GM-Torch only—no Mixer or tips	1½	Saffer	$18.00
GM-D-6 in. Mixer for use with GM tips 70 to 37, inclusive	½	Saffo	5.50
GM-E-12 in. mixer for use with GM tips 37, 33 and 29	¾	Safir	7.25
GM tips 70, 62, 54, 48, 42, 37 and 33, ea	¼	Sag	1.85
GM tips 29, ea	¼	Saga	2.00
GMC cutting tips with nut, ea	¼	Sagd	6.15
GMC Tip Nut	1/16	Sageer	.75
RGM Tips, ea. (Radiator or lead burning)	⅛	Sage	1.75
GM Torch with GM-D-6 in. mixer and 5 welding tips	3	Saggar	33.00
GM Torch with GM-E-12 in. mixer and 3 welding tips	2¾	Sagh	31.00
GM Torch with 2 mixers and 8 tips	4	Saght	46.00

REGO GS Gooseneck Welding Torch



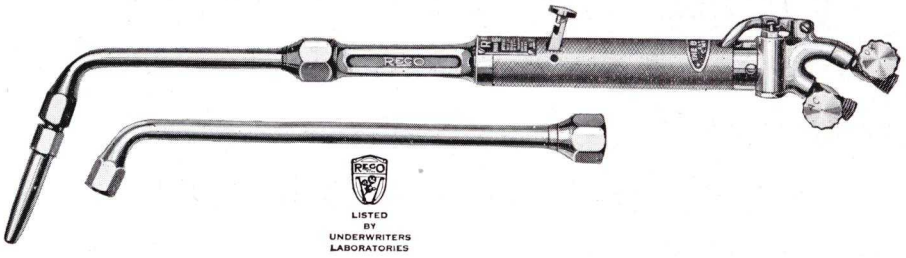
Uses medium pressure oxy-acetylene.
Range—Welding up to 5/16 in.
Length—13½ in. Weight 14 oz.
Acetylene hose connection No. 1303.
Oxygen hose connection No. 1203.

REGO GS is a light, perfectly balanced torch for sheet metal work such as the welding of small tanks, electrical, and auto parts, up to 5/16-inch thickness. Has an assortment of 5 drawn copper one-piece welding tips, and a special tip, RGS, for radiator soldering, lead burning and other delicate work. Standard head angle is 75 deg. Other angles may be had on special order. A wrench is furnished with each torch.

For tip capacities see page 34; for hose connections, page 49.

Description	Wt. Lbs.	Code Word	Price
GS Torch only—no tips	1	Sagion	$17.50
GS Welding Tips—ea	1/16	Sagum	1.50
RGS Radiator Tips—ea	1/16	Sah	1.75
GS Torch with 5 welding tips	1¾	Saho	25.00

REGO GMA Automatic Shut Off Torch



Uses medium pressure oxy-acetylene.
Range—All general welding.
Length—19½ in. Weight, 34 oz.
Acetylene hose connection No. 1304.
Oxygen hose connection No. 1204.

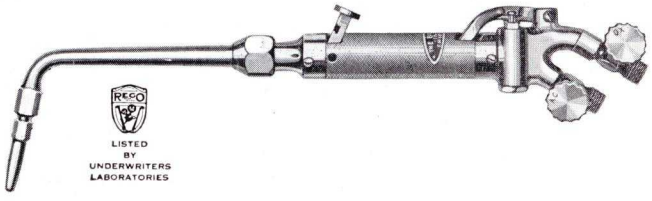
Much time and gas has been lost in production welding through the necessity of adjusting the torch valves so as to obtain a neutral flame every time the gases were shut off between operations. With Rego GMA torch the flame need be adjusted only once. When through with an operation, a touch of the thumb releases the catch—Zip—the flame is out. Push down the catch, strike the spark lighter, and once more a perfect neutral flame is burning.

The shut off valves are substantial and are located behind the handle where they are easy to tighten to take up the wear on seat and packing. There is no mechanism inside the handle to get out of order. A wrench is furnished with each torch.

The GMA torch is of the same construction and uses the same mixers and tips as the GM. For description and prices on these parts see Page 25.

Description	Wt. Lbs.	Code Word	Price
GMA torch—2 mixers, 8 tips.....	4½	Sai	$56.00
GMA 6 in. mixer, 5 welding tips...	3½	Saiad	43.00
GMA 12 in. mixer, 3 welding tips..	3½	Saif	41.00

REGO GSA Automatic Shut Off Torch



Uses medium pressure oxy-acetylene.
Range—Welding up to 5/16 in.
Length—14 in. Weight, 25 oz.
Acetylene hose connection No. 1303.
Oxygen hose connection No. 1203.

The Rego GSA is THE torch for sheet metal production welding. It is similar in design to the GMA, but is made especially for auto body and sheet metal manufacturing, ornamental iron work and other light production welding and brazing jobs. Rego GSA torch is of similar construction and uses the same tips as the GS torch; for description and prices see page 25.

Rego GSA Torch with 5 Welding Tips—Weight, 2 Lbs.—Price $35.00

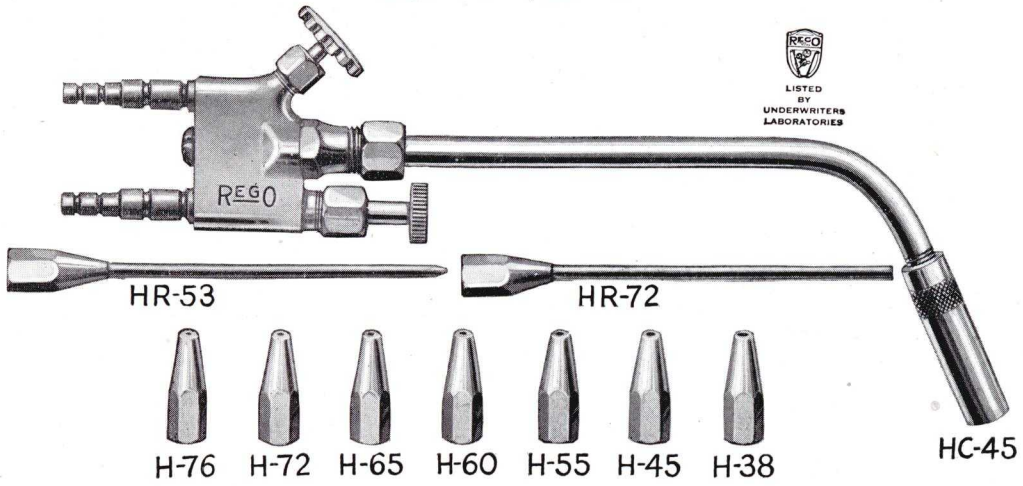
Code Word, Saigh

GM, GMA, GSA and GS Torches for use with Compressed Air and Acetylene

An acetylene air flame is used by a large number of industrial plants for filling blow holes and soldering aluminum castings. Rego GM, GMA, GSA and GS torches can be adapted for this work by the use of special acetylene—air tips. These tips are made up on special order only. Prices will be quoted upon request.

REGO H Lead Burning Torch

Uses oxy-acetylene, oxy-hydrogen, oxy-city gas, compressed air and acetylene, or compressed air and city gas.
Range—Lead burning and sheet metal welding up to 16 gauge.
Length—7½". Weight 4 Oz.



REGO H is a light, handy torch with which any size flame from a wide, soft brush to an intensely hot needle point can be obtained with a touch of the thumb. The combinations of gases recommended for different types of work are as follows:

Oxy-acetylene—hottest flame known; recommended for very fast lead burning as in the manufacture of batteries, and thin sheet metal welding. Oxy-acetylene tips are: H-76, H-72, H-65, and HR-72. HR-72 is a special tip 3 in. long for radiator and other work where a very fine flame is necessary.

Oxy-hydrogen—not quite so hot as oxy-acetylene, and not so rapid, but covers same classes of work. Oxy-hydrogen tips are H-65, H-60, H-55, and HR-53. HR-53 is a special tip 3 in. long for radiator and other work where a very fine flame is needed.

Oxy-city gas—not so hot as oxy-hydrogen, and is the most widely used combination of gases for lead burning, by battery shops. Tips for oxy-city gas are H-55, H-45, H-38, and HR-53. HR-53 is a special tip 3 in. long for radiator and other work where a very fine flame is needed.

Compressed air and acetylene—not so hot as oxy-hydrogen. Excellent for soldering and satisfactory for lead burning where speed is not required as in shops where only occasional battery jobs are done. Tip HC-53 is for use with these gases.

Compressed air and city gas—not so hot as compressed air and acetylene. Excellent for soldering and similar work, and although it will do lead burning, is not recommended because it is not fast. Tip HC-45 develops two sizes of flames: the ordinary city gas and compressed air brush-like flame, and an exclusively Rego flame that can be drawn down to a long needle point for delicate work.

The above tips should not be used except for the gases listed. For instance, difficulties will be encountered if tips H-55, H-45, and H-38 are used with oxygen and acetylene.

Slip hose connections are provided for both ⅛ in and 3/16 in. hose. The connections are spaced far enough apart so that hose clamps may be used if desired.

Description	Weight	Code Word	Price
H torch with 4 tips for oxy-acetylene	¼	Saik	$7.00
H torch with 4 tips for oxy-hydrogen	¼	Sail	7.00
H torch with 4 tips for oxy-city gas..	¼	Saile	7.00
H torch with 1 tip for compressed air and acetylene	¼	Sailf	6.30
H torch with 1 tip for compressed air and city gas	¼	Sailor	6.30
H torch without tips	¼	Saim	5.40
H tips 76, 72, 65, 60, 55, 45, and 38. Each	1/64	Saind	.25
HR tips, 72 and 53. Each	1/64	Sainer	.85
HC tips, 45 and 53. Each	1/32	Saint	1.00

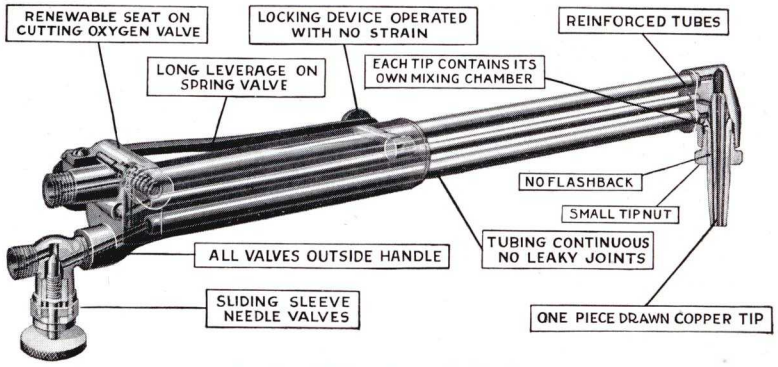
REGO Automatic Oxygen Shut Off Torch Hook No. 888

This handy torch hook, which may be used in connection with the Rego or other lead burning torch, will soon earn many times its cost in gases saved. It is connected in the high pressure line (either oxygen or compressed air). Hang the torch on the hook—the gases are automatically shut off, leaving only a pilot light burning. Pick up the torch and the perfect flame is burning as before.

No. 888 Torch Hook—Weight, ½ Lb. Price $2.75

Code Word, Saio

"Inside Information" on REGO Cutting Torches

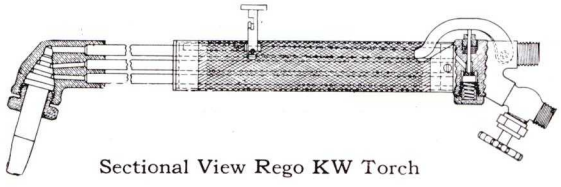

RENEWABLE SEAT ON CUTTING OXYGEN VALVE
LOCKING DEVICE OPERATED WITH NO STRAIN
REINFORCED TUBES
LONG LEVERAGE ON SPRING VALVE
EACH TIP CONTAINS ITS OWN MIXING CHAMBER
NO FLASHBACK
SMALL TIP NUT
TUBING CONTINUOUS NO LEAKY JOINTS
ALL VALVES OUTSIDE HANDLE
SLIDING SLEEVE NEEDLE VALVES
ONE PIECE DRAWN COPPER TIP

Sectional View Rego K Torch

REGO Cutters Cut Costs because they surpass in the four essential requirements of good cutting torches.

Safety

Flashbacks, the dangerous and troublesome feature of most cutting torches, are absolutely eliminated by the Rego principle of gas mixture. The blowing of holes and cutting in inaccessible places can be accomplished without fear. The accidental touching of the hot metal by an inexperienced operator does not stop the work. The Rego flame burns right on.



Sectional View Rego KW Torch

Economy In Operation

REGO preheating flames converge toward the high pressure oxygen jet, concentrating the heat where it does the most good so as to speed up the cutting and make narrow cuts.

The gases are mixed in the tip—each tip supplies just the right mixture for speed and economy. Torches that have but one mixing chamber for all tips cannot be as economical or speedy. Note that there are no joints between valves and tips, no places for the gas to leak. Tips are made of one piece pure drawn copper—the best heat resisting metal known—which cuts tip replacements to a minimum.

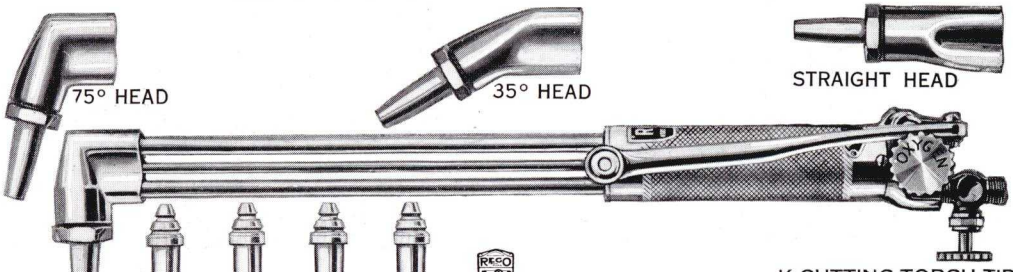
Sturdiness and Simplicity of Construction

REGO cutters are built to withstand rough usage and lots of heat. Tips are of one piece pure copper construction—no internals to leak or burn up. Head and valve block of forged extruded brass. Tubing of special non-bending alloy is continuous from head to end valve body. Valves of long life non-leak construction are outside, easy to get at for cleaning and tightening, so that it is never necessary to take torch apart.

Ease of Handling

Although sturdily constructed, Rego cutters weigh less than many other torches. The knurled handle makes a comfortable grip for the operator. The exceptionally long high pressure lever gives a control sensitive to the touch. The tip nut threads inside the head, which brings the edge of the nut just flush with the side of the head and enables the operator to easily make close cuts when cutting risers from castings or removing rivets.

REGO K General Cutting Torch



Uses Oxygen and Any Compressed Fuel Gas.
Range—All cutting up to 12 in. steel.
Length—20 in. Weight—52 oz.
Acetylene hose connection No. 1304.
Oxygen hose connection No. 1204.

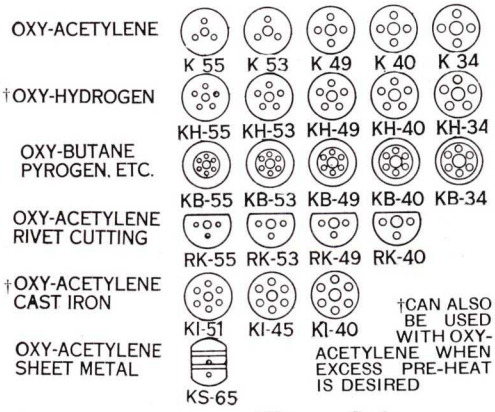
REGO K torch takes in all cutting operations from sheet metal work to 12 in. steel. It is built to withstand the hard usage given such equipment in railroad shops, steel mills, foundries, and scrap yards. Because it operates on the Rego principle of gas mixture, which prevents flash back, it is especially good on blowing holes and removing rivets. This torch will be furnished with standard 90 deg. head unless one of the other angle heads shown is specified.

A wrench is furnished with each torch.

For hose connections see page 49.

Description	Wt. Lbs.	Code Word	Price
K Torch—no tips	3¼	Saip	$35.00
K Torch—5 tips. Acetylene	4¾	Sair	55.00
*KH Torch—5 tips. Hydrogen	4¾	Sais	55.00
*KB Torch—5 tips. Butane, Pyrogen, etc.	4¾	Saisen	60.00
K Tips, each. Acetylene	¼	Sait	4.00

K CUTTING TORCH TIPS

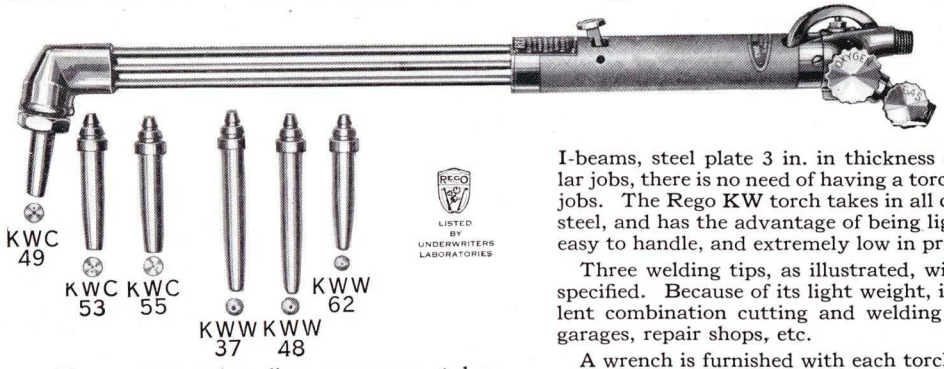


†CAN ALSO BE USED WITH OXY-ACETYLENE WHEN EXCESS PRE-HEAT IS DESIRED

Description	Wt. Lbs.	Code Word	Price
*KH Tips, each. Hydrogen	¼	Saj	$4.00
*KB Tips, each. Butane, Pyrogen, etc.	¼	Sajou	5.00
RK Rivet Cutting tips, each.	3/16	Sak	4.00
KS Sheet Metal Tips, each.	3/16	Sake	4.00
KI Cast Iron Cutting Tips, ea.	¼	Saken	5.00

*Note—All Rego K torches can be used with any of the Rego tips built for special gases.

REGO KW Medium Cutting and Welding Torch



Uses oxygen and medium pressure acetylene.
Range—All cutting up to 3 in. steel.
Welding up to 1 in.
Length—19 in. Weight—34 oz.
Acetylene hose connection No. 1303.
Oxygen hose connection No. 1203.

In shops where the work consists of nothing heavier than cutting and blowing holes in car frames, brackets, I-beams, steel plate 3 in. in thickness or less, and similar jobs, there is no need of having a torch made for heavy jobs. The Rego KW torch takes in all cutting up to 3 in. steel, and has the advantage of being light, exceptionally easy to handle, and extremely low in price.

Three welding tips, as illustrated, will be furnished if specified. Because of its light weight, it makes an excellent combination cutting and welding torch for use in garages, repair shops, etc.

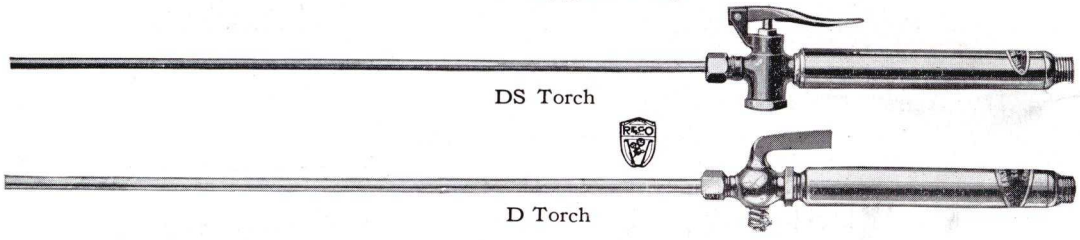
A wrench is furnished with each torch.

For hose connections see page 49.

Description	Wt. Lbs.	Code Word	Price
KW Torch only—no tips	2½	Sakful	$26.00
KW Torch—3 cutting tips	3	Saki	35.00
KWC Cutting tips, each	3/16	Sakra	3.00
KWW Welding tips, each	¼	Sal	2.50

REGO Carbon Burning Torches

Use Oxygen Only



"D" Pet Cock Torch

Is a profitable investment for burning carbon out of combustion engines. Harmless, speedy, efficient, and economical. The "D" type torch is made with a pet cock that is easy to keep leak proof, and stays open until the operation is complete.

Length—22". Hose Connection No. 1203
D Torch—Wt. ½ lb.—Price $2.75
Code Word, Sala

DS Spring Valve Torch

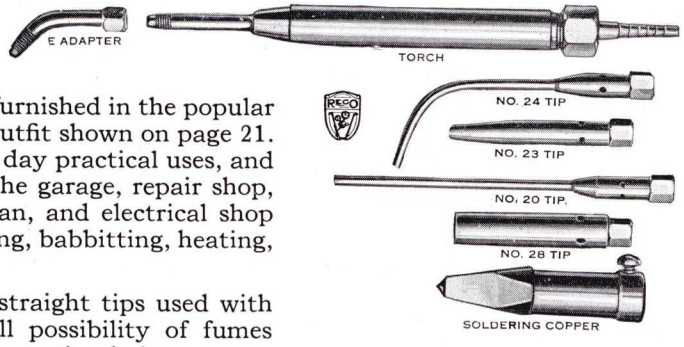
Is popular with many mechanics because of its spring valve construction. With this torch the oxygen is turned on by a light pressure on the lever, and is immediately shut off upon the release of this pressure.

Length—22". Hose Connection No. 1203
DS Torch—Wt. ½ lb.—Price $3.25
Code Word, Salab

Extra 15-in. copper tip—Wt. 2 oz.—Price $0.75
Code Word, Salad

REGO T Handy Acetylene Torch

Uses acetylene only
Length 8 in. Weight 4 oz.
Hose connection No. 1303.



This torch is the one furnished in the popular No. 5323 (old No. 13) Outfit shown on page 21. It has a thousand every day practical uses, and is an essential tool for the garage, repair shop, farm, laboratory, lineman, and electrical shop for light brazing, soldering, babbitting, heating, thawing and melting.

The bent tip, or the straight tips used with adapter E, eliminate all possibility of fumes striking back against air suction holes.

The soldering copper used with tip 23 provides for a sturdy, rigid tool for all kinds of seam soldering. Also very convenient for filling wrist pin scores in cylinders, soldering cracked water jackets, and for various other jobs. The soldering copper is almost instantly brought to proper heat, and the job is done before it would be started with any of the old-fashioned methods.

Tip No. 23, which heats the soldering copper, may also be used for an open flame, with or without the adapter E.

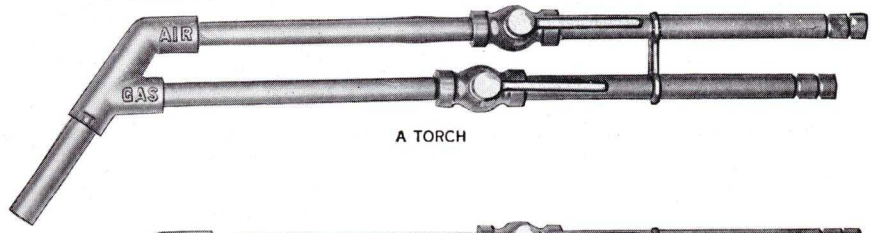
The long tip No. 20 does a very good job of lead burning. It is also excellent for radiator repairing and for various kinds of work hard to get at with the other short tips. The No. 20 may be used with or without adapter E.

The bent tip No. 24 may be also used for lead burning and other small jobs. Adapter E is not necessary with this tip.

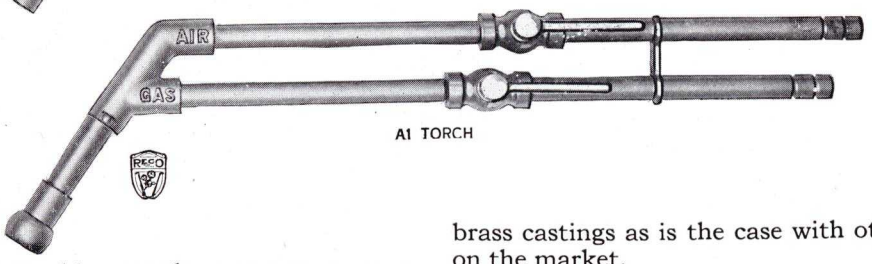
Tip No. 28 gives a large, brush flame and is for various kinds of heating jobs. Will give fine results in aluminum soldering, tempering, melting and light brazing.

Description	Wt. lbs.	Code Word	Prices
T Torch and Tips as shown	1	Saland	$6.20
T Torch without tips	5/16	Salbe	1.85
T Tips 20, 23, 24, 28 ea	3/32	Said	1.00
Adapter E, each	1/16	Salem	.50
Soldering Copper	5/16	Salere	1.25

REGO Air-Gas Blow Torches



A TORCH



A1 TORCH

REGO air gas blow torches operate on compressed air and gas. They produce a flame which can be varied from a wide brush to a long needle point, at will, and are widely used by radiator shops, tinsmiths, laboratories, and other plants where torches for soldering and light heating are needed.

They are strongly and simply built, with no parts to get out of order. Head and valve bodies are made of brass forgings, and not of brass castings as is the case with other torches on the market.

A Torch—Uses compressed air and city gas. Length—12½ in. Weight 12 oz.

Code Word, Salfe—Price $3.00

A1 Torch—Uses compressed air and natural gas. Length—13 in. Weight—13 oz.

Code Word, Salge—Price $3.70

New and Old REGO Tip Numbers and Prices

REGO tips are now numbered according to the drill used in drilling them, i.e., tips L-54, MT-54, S-54, W-54, etc., all have the same size outlet orifice and develop approximately the same amount of heat. The table below gives the corresponding old and new numbers.

Old No.	New No.	Price
K TORCH		
K- 1	K-55	$4.00
K- 2	K-53	4.00
K- 3	K-49	4.00
K- 4	K-40	4.00
K- 5	K-34	4.00
KH- 1	KH-55	4.00
KH- 2	KH-53	4.00
KH- 3	KH-49	4.00
KH- 4	KH-40	4.00
KH- 5	KH-34	4.00
KB- 1	KB-55	5.00
KB- 2	KB-53	5.00
KB- 3	KB-49	5.00
KB- 4	KB-40	5.00
KB- 5	KB-34	5.00
RK- 1	RK-55	4.00
RK- 2	RK-53	4.00
RK- 3	RK-49	4.00
RK- 4	RK-40	4.00
KS-	KS-65	4.00
KI-	KI-51	5.00
KI-	KI-45	5.00
KI-	KI-40	5.00
KW TORCH		
.....	KWC-55	$3.00
.....	KWC-53	3.00
.....	KWC-49	3.00
.....	KWW-62	2.50
.....	KWW-48	2.50
.....	KWW-37	2.50

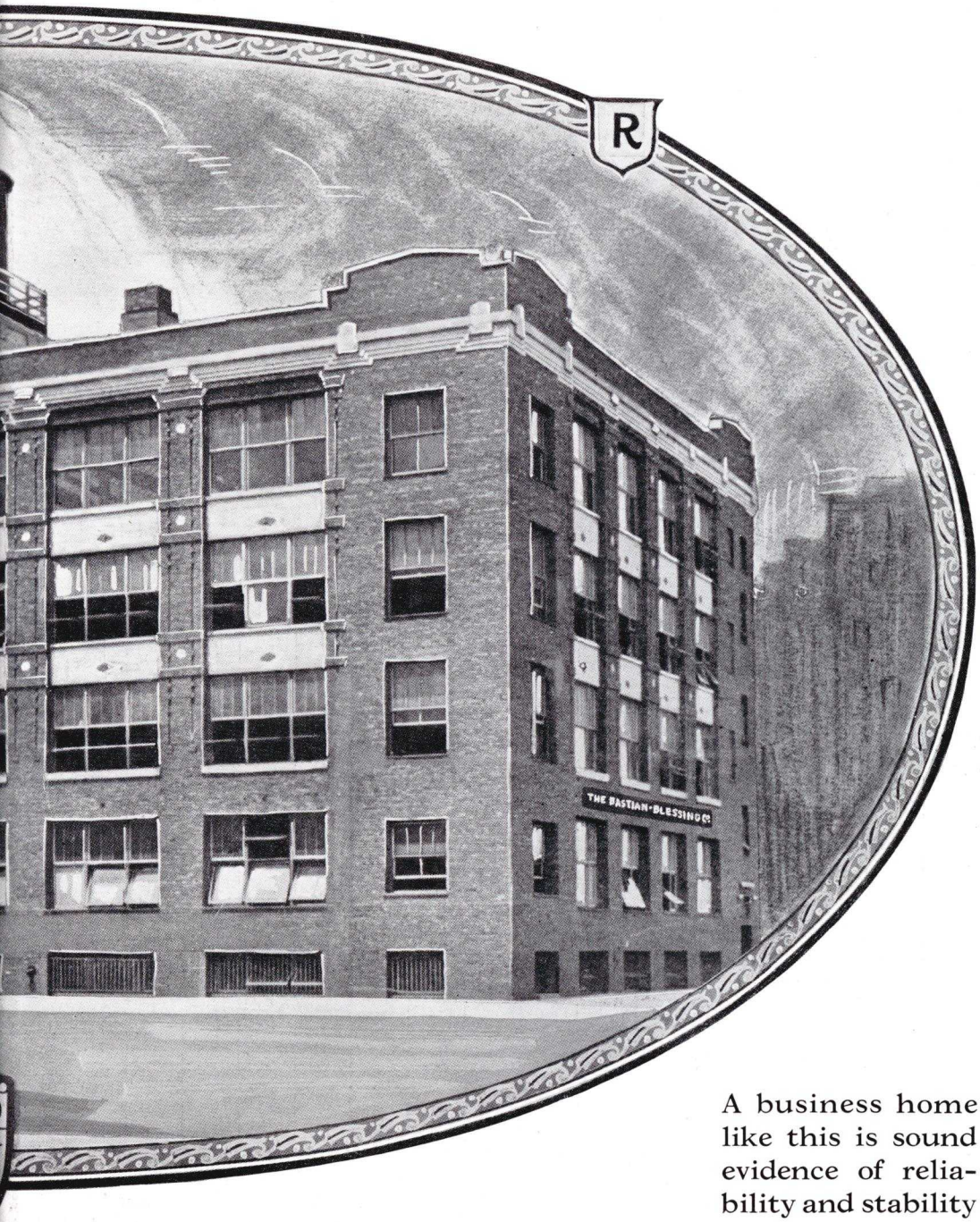
Old No.	New No.	Price
C TORCH-OBSOLETE		
C- 1	C-55	$2.50
C- 2	C-53	2.50
C- 3	C-49	2.50
C- 4	C-40	2.50
C- 5	C-34	2.50
CH- 1	CH-55	2.50
CH- 2	CH-53	2.50
CH- 3	CH-49	2.50
CH- 4	CH-40	2.50
CH- 5	CH-34	2.50
RC- 1	RC-55	2.50
RC- 2	RC-53	2.50
RC- 3	RC-49	2.50
RC- 4	RC-40	2.50
CS-	CS-65	2.50
GL TORCH		
GL- 1	GL-60	$2.00
GL- 2	GL-54	2.00
GL- 3	GL-50	2.00
GL- 4	GL-46	2.00
GL- 5	GL-40	2.00
GL- 6	GL-37	2.00
GL- 7	GL-33	2.00
GL- 8	GL-29	2.00
GL- 9	GL-25	2.00
GL-10	GL-20	2.00
CGL	CGL-53	6.15
GS and GSA TORCHES		
GS- 1	GS-70	$1.50
GS- 2	GS-58	1.50
GS- 3	GS-53	1.50
GS- 4	GS-48	1.50
GS- 5	GS-44	1.50
RGS	RGS-72	1.75

Old No.	New No.	Price
GM and GMA TORCHES		
GM- 0	GM-70	$1.85
GM- 2	GM-62	1.85
GM- 4	GM-54	1.85
GM- 6	GM-48	1.85
GM- 8	GM-42	1.85
GM-10	GM-37	1.85
GM-12	GM-33	1.85
GL- 8	GM-29	2.00
RGM	RGM-72	1.75
GMC	GMC-53	6.15
S TORCH-OBSOLETE		
S-00	S-76	$1.40
S- 0	S-70	1.40
S- 1	S-64	1.40
S- 2	S-58	1 40
S- 3	S-54	1.40
S- 4	S-48	1.40
S- 5	S-44	1.40
H TORCH		
H- 1	H-76	$0.25
H- 2	H-72	.25
H- 3	H-65	.25
H- 4	H-60	.25
H- 5	H-55	.25
H- 6	H-45	.25
H- 7	H-38	.25
H- 8	HR-72	.85
H- 9	HR-53	85
H-10	HC-45	1.00
H-10A	HC-53	1.00

Old No.	New No.	Price
L TORCH		
L- 1	L-64	$2.65
L- 2	L-60	2.65
L- 3	L-54	2.65
L- 4	L-50	2.65
L- 5	L-45	2.65
L- 6	L-42	2.65
L- 7	L-40	2.65
L- 8	L-37	2.65
L- 9	L-33	2.65
L-10	L-29	2.65
CL-	CL-53	3.40
LH- 2	LH-44	2.65
LH- 4	LH-36	2.65
LH- 6	LH-30	2.65
LH- 8	LH-20	2.65
LH-10	LH-16	2.65
MT TORCH		
MT- 0	MT-68	$2.00
MT- 1	MT-62	2.00
MT- 2	MT-54	2.00
MT- 3	MT-48	2.00
MT- 4	MT-42	2.00
MT- 5	MT-37	2.00
RMT	RMT-72	1.75
CMT	CMT-53	4.15
W TORCH-OBSOLETE		
W- 1	W-72	$0.66
W- 2	W-66	.66
W- 3	W-62	.66
W- 4	W-58	.66
W- 5	W-54	.66

A big
building
for a big business
that's growing bigger

The Plant Where R



A business home like this is sound evidence of reliability and stability

GO Service Starts

How to Choose the Right Welding Tip for Your Job

The proper tip to use on a given welding job depends almost entirely upon the skill of the operator. The following, taken from the Welding Encyclopedia—page 18—will however, aid the beginner:

"POWER OF BLOWPIPE"

" * * * the consumption should be about five cubic feet of acetylene per hour for every 1/16 in. in thickness. So that for material 3/16 in. thick, a blowpipe consuming about 15 cubic feet per hour would be required, for 3/8 in. one consuming 30 cubic feet, and so on. However, it will be found that beginners obtain the best results by using less powerful blowpipes than those indicated, whilst the more expert welder rapidly reaches the stage where he can advantageously use a more powerful blowpipe, as for example, for 1/8 in. material, a blowpipe consuming 15.3 cubic feet; for 3/16 in. material one consuming 20 cubic feet; and for 3/8 in., 40 cubic feet."

The Correct Pressures to Use With Rego Welding and Cutting Torches

IMPORTANT

Instructions given on this sheet regarding the proper tips to use with each extension, and the proper gas pressures to use with each tip MUST be followed if the torch is to function properly. If this is done, it is impossible to make a Rego torch backfire under any operating conditions.

Make all pressure changes AT THE REGULATORS —not at the torch valves—and you will have no trouble in maintaining the true Rego soft neutral flame.

We have recently changed our method of numbering our torch tips and therefore give both old and new numbers in the chart below. The first column lists the old numbers—as for instance, K-1. The second column lists the new number as K-55.

The new tip numbers are based on the size drill used, i. e., tips No. L-54, MT-54, GL-54 and GM-54 all have the same size orifice and develop approximately the same amount of heat.

GOOSENECK WELDING TORCHES

Old Tip No.	New Tip No.	Maximum Capacity: Oxygen Pressure	Maximum Capacity: Acetylene Pressure	Maximum Capacity: *Consumption in cu. ft.	Minimum Capacity: Oxygen Pressure	Minimum Capacity: Acetylene Pressure	Minimum Capacity: *Consumption in cu. ft.
GL TORCH							
GL-A 6″ MIXER. Use only with tips below.							
1	60	5	5	10	2	2	6
2	54	6¾	7	20	2¾	3	12
3	50	7¼	8	33	3¾	4	19
4	46	8	9	41	4½	5	28
GL-B 12″ MIXER. Use only with tips below.							
5	40	7¼	8	61	3½	4	43
6	37	8	9	70	4½	5	50
7	33	9	10	80	5¼	6	58
GL-C 24″ MIXER. Use only with tips below.							
8	29	9½	10	121	5¾	6	88
9	25	11½	12	142	6¾	7	100
10	20	13¼	14	163	8¾	9	120
GM TORCH							
GM-D 6″ MIXER. Use only with tips below.							
0	70	3½	3½	5½	1½	1½	4
2	62	4	4	9	2	2	7
4	54	4	4	18	2	2	12
6	48	5¾	6	36	2¾	3	24
8	42	8¼	9	51	4½	5	35
10	37	8	9	70	4½	5	50
GM-E 12″ MIXER. Use only with tips below.							
10	37	8	9	70	4½	5	50
12	33	9	10	80	5¼	6	58
GL8	29	9½	10	121	5¾	6	88
GS TORCH							
1	70	4	4	5½	2	2	4
2	58	5	5	12	2	2	7
3	53	5¾	6	25	2	2	15
4	48	7¼	8	37	2¾	4	25
5	44	9	10	46	4½	5	30

*Equal consumption of Oxygen and Acetylene is obtained in Rego Torches.

TIP MIXING WELDING TORCHES

Old Tip No.	New Tip No.	Oxygen Pressure	Acetylene Pressure	*Consumption in cu. ft.
L TORCH				
1	64	1¾	2	3
2	60	2	2¼	5
3	54	2¼	2½	10
4	50	2½	3	17
5	45	3	4½	24
6	42	4	5	30
7	40	4½	5¼	37
8	37	5	6	42
9	33	6½	8	57
10	29	7½	9	75
MT TORCH				
1	62	1¾	2	3
2	54	2¾	3	17
3	48	3½	4	22
4	42	4½	5	37
5	37	5½	6	42
KW TORCH—WELDING				
KWW	62	1¾	2	3
KWW	48	3½	4	22
KWW	37	5½	6	42

CUTTING TORCHES

Old Tip No.	New Tip No.	Thickness of Metal in Inches	Oxygen Pressure	Acetylene Pressure
K TORCH				
1	55	⅛	10	4
1	55	¼	15	4
1	55	½	25	4
2	53	½	20	5
2	53	1	30	5
2	53	1½	35	5
3	49	1½	30	6
3	49	2	40	6
3	49	3	50	6
4	40	3	45	8
4	40	4	60	8
4	40	5	75	8
4	40	6	85	8
4	40	7	100	8
5	34	7	90	9
5	34	8	100	9
5	34	9	115	9
5	34	10	125	9
KW TORCH—CUTTING				
KWC	55	⅛	10	4
KWC	55	¼	15	4
KWC	55	½	25	4
KWC	53	½	20	5
KWC	53	1	30	5
KWC	53	1½	35	5
KWC	49	1½	30	6
KWC	49	2	40	6
KWC	49	3	50	6

CUTTING TIPS FOR WELDING TORCHES

These Instructions Cover Tips
Nos. CL-53, CMT-53, CGL-53 and GMC-53

When used properly, these tips will take care of all cutting up to 1-inch steel. Follow instructions carefully.

1. Be sure that seat on tip and in head of torch is clean.
2. Insert tip in torch so that ONE of the outside (preheating) holes is in line with center line of torch and AWAY from handle end.
3. Turn on (at regulators) about 5 lbs. of acetylene and 10 to 15 lbs. of oxygen.
4. Open torch valves slightly so THAT BOTH GASES ARE FLOWING and light torch.
5. Turn on more gas at torch valves until proper neutral flame is obtained.

REGO New Standard Hose Connections

Safety—First, Last and All the Time

REGO engineers endeavor to make Rego equipment efficient and safe. Safe, in the hands of inexperienced operators as well as the experienced.

For Example: Rego oxygen regulators are painted green, the oxygen hose is green, and the oxygen needle valve on the torch is painted green to prevent the harmful interchange of the hose. We have advocated for some time that the Industry adopt a universal standard connection which would not only prevent the interchange of the hose, but would eliminate the trouble to the user caused by different manufacturers using a widely assorted number of threads and connections on different makes of equipment.

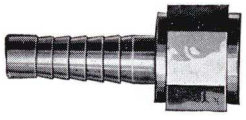
We are pleased to advise that the Industry has now adopted a universal standard hose connection of a special thread; right hand for oxygen, and left hand for fuel gas such as acetylene, hydrogen, etc. This new standard has been approved by such influential organizations as The Gas Products Association, and The International Acetylene Association. Every user should get his equipment changed over immediately. Below, is helpful information to bring this about in an easy and economical manner.

All apparatus manufacturers are prepared to furnish needle valves for torches, and outlet bushings for regulators with the new standard thread. When these parts are worn on your equipment the best procedure is to replace them. If not worn, suitable adapters can be purchased to connect the old needle valves and outlet bushings to the new standard hose connections.

In no case is it advisable to attempt to put an adapter on an old hose connection for the purpose of connecting it to a new torch or regulator. It is always cheaper and better to put a new swivel hose connection in the hose.

Identification of REGO New Standard Connections

All new standard Rego oxygen hose connections have a shoulder turned on each side of the hex, and all new standard gas (acetylene, hydrogen, etc.) connections have a single groove cut in the center of the hex as illustrated below.



New Standard Oxygen Connection

Identified by shoulder cut on each side of hex.

New Standard Gas Connection

Identified by single groove cut in center of hex.

Adapters from New Connections to Old Equipment

These adapters connect Rego torches and regulators having old style connections to hose having the new standard connections.

For Oxygen
Identified by No. 1032 stamped on side of hex.

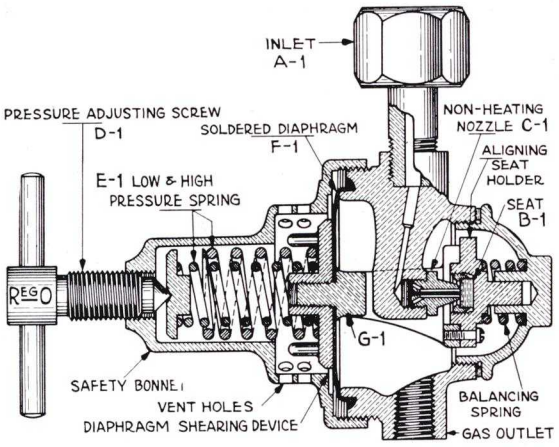
No. 1032 Oxygen Hose Connection Adapter
Wt. 1/16 lb. Code Word, Salic. Price $0.45

For Gas (Acetylene, Hydrogen, Etc.)
Identified by No. 1033 stamped on side of hex.

No. 1033 Gas Hose Connection Adapter
Wt. 1/16 lb. Code Word, Salip. Price $0.45

See page 49 for description and prices of bushings and swivel hose connections.

Details of the Construction, Use, and Care of REGO Regulators



The Purpose of Regulators

Oxygen and hydrogen are supplied to the trade in cylinders at about 2000-lb. pressure and acetylene at 300 lb. The pressures required at the torch for welding and cutting, vary from 0 to 200 lb. The regulators are to reduce the varying high tank pressures to the required low torch pressures, holding both the pressures and volumes practically constant.

A good tank regulator continues to deliver full volume until the tank pressure falls to twice the torch pressure. Example—An oxygen welding regulator, delivering 100 cu. ft. per hour at 10 lb. torch pressure, should continue to deliver 100 cu. ft. per hour until the tank pressure falls below 20 lb. From this point on, adjustments will be necessary to exhaust the tank.

A good line regulator, i. e., one attached to a constant pressure manifold line instead of a tank, continues to deliver full volume as long as the line pressure is at least 50% greater than the torch pressure. Example—the above oxygen regulator, operating on a constant pressure line, should continue to deliver 100 cu. ft. per hour at 10 lb. pressure as long as the line pressure is 15 lb. or more.

The Construction of Rego Regulators

These basic principles of regulator construction, together with several exclusive patented features, are embodied in all Rego Regulators.

Uniform Pressure and Volume

Laboratory tests and commercial use have proven Rego Regulators to hold absolutely uniform pressure and volume. The range of this uniform pressure control is extended by the use of two bonnet springs, (E-1), one for high and one for low pressures. (Patented feature.)

Safety Devices

Opening the drum valve with a jerk, which is often done, suddenly releases 2000-lb. pressure into the regulator inlet arm, and causes terrific compression of the gas in the nozzle. This compression generates a tiny cone of intense heat, which would be sufficient to ignite a worn seat, but the pin in the Rego non-heating nozzle—C1—(patented) radiates the heat back into the inlet arm and no harm is done.

If the regulator seat gives way, the torch back fires, or the tank falls over, the excess pressure in the body is great enough to cause the disastrous bursting of the regulator. The Rego Diaphragm Shearing Device (patented) eliminates any possible chance of this taking place.

Positive Shut-Off Action

In a Rego Regulator, the gas pressure itself shuts off the gas flow. If the seat is leaky or defective, the pressure simply builds up against the diaphragm until the seat is forced against the nozzle tight enough to shut off the gas. There is no spring to weaken or fail to work.

Rules for the Care of Regulators

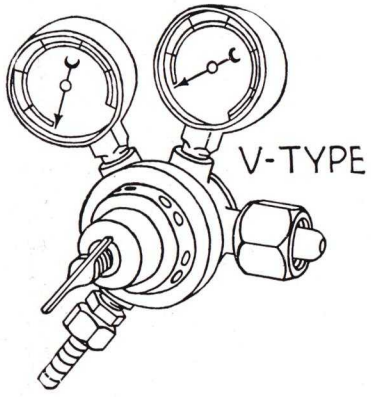
1. Don't use oil on any part.
2. Don't drop or hit the regulator. It is a delicate mechanism.
3. Don't tamper with the parts. Our guarantee does not cover regulators on which the seal has been broken.
4. Be sure that the adjusting screw is always fully released (turned to the left) before opening the valve on the gas tank.
5. Turn the cylinder valve on slowly.
6. When the job is finished, first turn off the cylinder valve, then open the torch valves, and then release the pressure on the adjusting screw by turning to the left.
7. Keep the regulator free from dirt. Crack the cylinder valve to blow out any dirt lodged there, and wipe off the regulator inlet before attaching regulator to cylinder.
8. If low pressure gauge "creeps" more than 5 lbs. on a welding regulator, or 10 lbs. on a cutting regulator, when the torch valves are shut off, the regulator needs repairing. "Creeping" of less than this amount merely shows that the regulator is delivering a good volume of gas.
9. Have the regulator overhauled at least once a year.

You will get service out of your regulator in exact proportion to the care you take of it.

REGO Oxygen and Gas Regulator Types

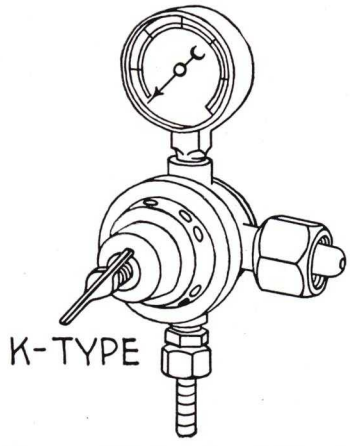
On this page are shown the five standard types of Rego Regulators which are carried in stock. Special regulators to meet special conditions will be designed and constructed as outlined on page 44.

Always Specify Type Letters When Ordering Regulators.



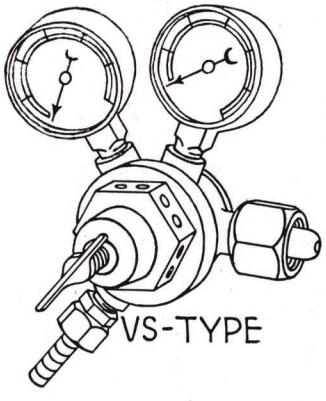
Rego Type "V" Soldered Diaphragm Regulator

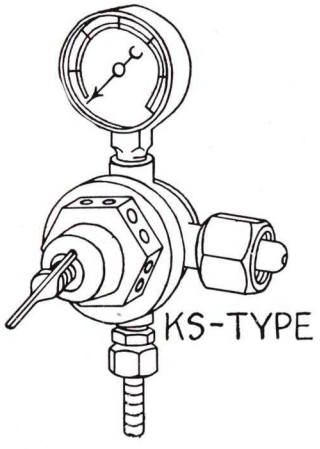
Type V is the standard Rego double gauge regulator, and is recommended for general use because of its compact construction. It is designated by adding the letter V to the regulator number, as 1105V, 1063V, etc. V type regulators will be furnished on all orders for double gauge regulators and in outfits where no other type is specified.

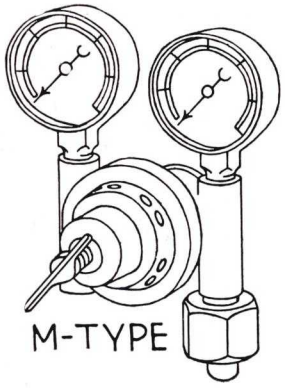


Rego Type "K" Soldered Diaphragm Regulator

Type K is the standard Rego single gauge regulator with inlet at right angles to outlet, and is recommended for general use. It is designated by the letter K added to the regulator number, as 1008K, 1065K, etc. K type regulators will be furnished on all orders for single gauge regulators and in outfits where no other type is specified.







Rego Types "VS," "KS" and "MS"—Clamp Diaphragm Regulators

The slight additional cost of Rego clamp or loose diaphragm regulators is offset by the fact that they can be repaired without special tools. They are recommended only for large plants which maintain their own apparatus repair departments.

Clamp diaphragm regulators will be supplied in place of any of the regular V, K, or M type regulators except those with 4 in. diaphragm, at the following additional costs.

Large (2⅝ in. diaphragm) regulators—$0.50
Small (2 in. diaphragm) regulators— .40

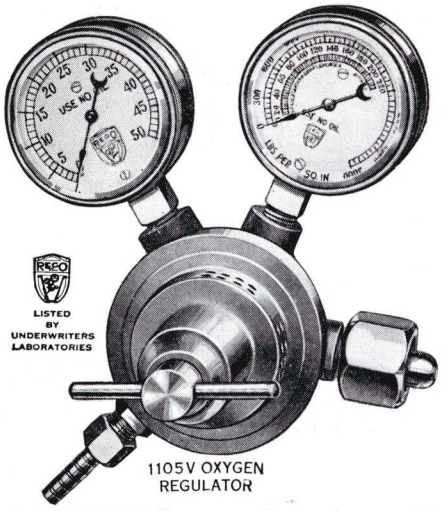
Example—1105V Regulator—$24.00. 1105VS Regulator $24.50. To order clamp diaphragm regulators, the letter S should be added to the regular number as, 1105VS, 1007KS, 1061MS, etc.

Rego Type "M" Manifold Regulator

REGO type M manifold regulators are specially designed to deliver large volumes of gas. The type letter "M" should follow the regulator number in ordering, as 1061M, 1026M, etc.

REGO Oxygen Tank Regulators—Low Pressure

For use on Standard 2000 lb. Oxygen Tanks

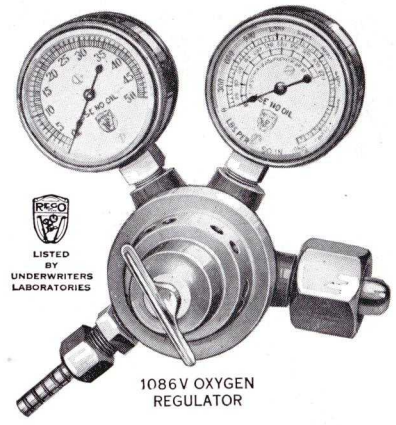


1105V OXYGEN
REGULATOR

Rego 1105V Oxygen Regulator for General Welding

Recommended for production and general welding where the regulators are in more or less constant use.

Diaphragm Diameter . . . . . 2⅝ in.
Pressure Range . . . . . 0—40 lbs.
Tank (H. P.) Gauge No. 1151. 3000 lbs. . . . . 2½ in.
Line (L. P.) Gauge No. 923. 50 lbs. . . . . 2½ in.
Inlet Connection. Standard Oxygen Cylinder No. 967.
Hose Connection. No. 1204 for ¼″ hose.
Weight 6 lb. Code Word, Scruf. Price $24.00.

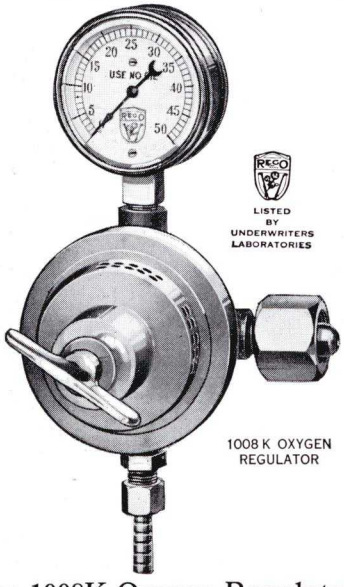


1086V OXYGEN
REGULATOR

Rego 1086V Oxygen Regulator for Light Welding

For light welding in small repair shops, garages and other shops where the regulators are used only occasionally.

Diaphragm Diameter . . . . . 2 in.
Pressure Range . . . . . 0—40 lb.
Tank (H. P.) Gauge No. 1154. 3000 lbs. . . . . 2 ins
Line (L. P.) Gauge No. 1156. 50 lbs . . . . . 2 in.
Inlet Connection. Standard Oxygen Cylinder No. 967.
Hose Connection. No. 1203 for 3/16″ hose.
Weight 3¼ lb. Code Word, Sea. Price $17.60.

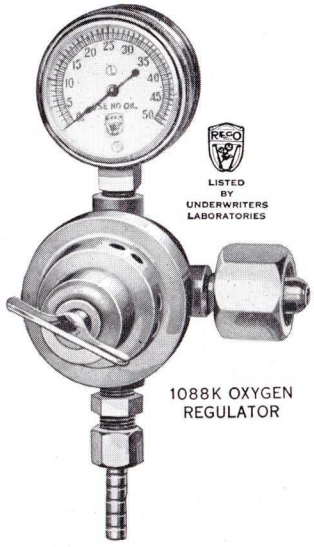


1008 K OXYGEN
REGULATOR

Rego 1008K Oxygen Regulator for General Welding

In shops where it is unnecessary to know how much gas is left in the tank, this regulator with the tank gauge omitted is recommended for general and production welding.

Diaphragm Diameter . . . . . 2⅝ in.
Pressure Range . . . . . 0—40 lbs.
Line (L. P.) Gauge No. 923. 50 lbs. . . . . 2½ in.
Inlet Connection. Standard Oxygen Cylinder No. 967.
Hose Connection. No. 1204 for ¼″ hose.
Weight 5 lb. Code Word, Seah. Price $17.00.



1088K OXYGEN
REGULATOR

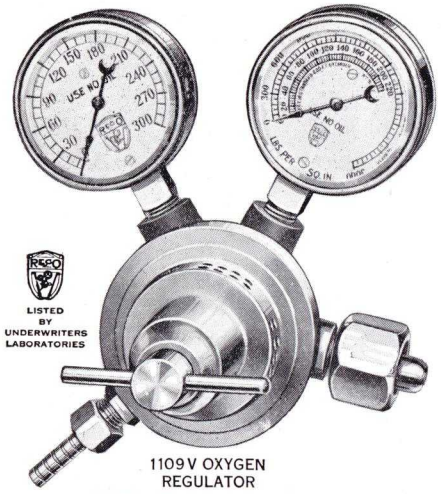
Rego 1088K Oxygen Regulator for Light Welding

This regulator is popular for brazing, carbon burning and occasional light welding jobs.

Diaphragm Diameter . . . . . 2 in.
Pressure Range . . . . . 0—40 lbs.
Line (L. P.) Gauge No. 1156 50 lb . . . . . 2 in.
Inlet Connection. Standard Oxygen Cylinder No. 967.
Hose Connection. No. 1203 for 3/16″ hose.
Weight 2½ lb. Code Word, Secoo. Price $12.30

REGO Oxygen Tank Regulators—High Pressure

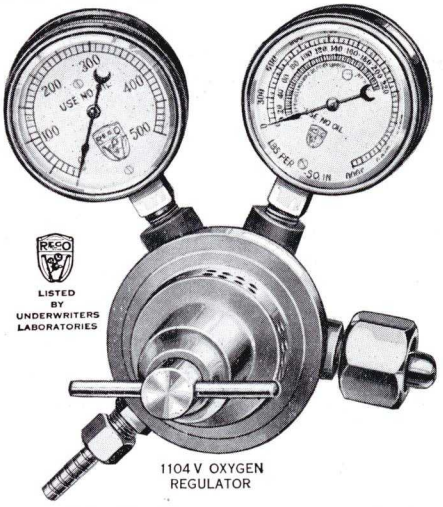
For use on Standard 2000 pound Oxygen Tanks.



1109V OXYGEN REGULATOR

Rego 1109V Oxygen Regulator For General Cutting

Delivers ample supply of gas for all ordinary cutting operations.
Diaphragm Diameter . . . . . 2⅝ in.
Pressure Range . . . . . 0—200 lbs.
Tank (H. P.) Gauge No. 1151. 3000 lb . . . . . 2½ in.
Line (L. P.) Gauge No. 930. 300 lb . . . . . 2½ in.
Inlet Connection. Standard Oxygen Cylinder No. 967.
Hose Connection. No. 1204 for ¼" hose.
Weight 6 lb. Code Word, Seger. Price $24.00.

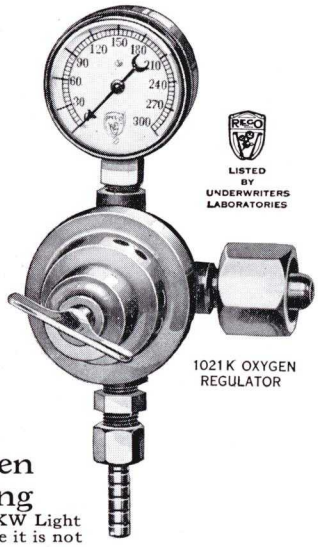


1104V OXYGEN REGULATOR

Rego 1104V Oxygen Regulator for Heavy Duty Cutting

Delivers large volumes of gas at high pressures for extra heavy cutting jobs.
Diaphragm Diameter . . . . . 2⅝ in.
Pressure Range . . . . . 0—450 lb.
Tank (H. P.) Gauge No. 1151. 3000 lbs . . . . . 2½ in.
Line (L. P.) Gauge No. 1152. 500 lbs . . . . . 2½ in.
Inlet Connection. Standard Oxygen Cylinder No. 967.
Hose Connection. No. 1204 for ¼" hose.
Weight 6 lb. Code Word, Seggon. Price $27.00.

1019V OXYGEN REGULATOR



1021K OXYGEN REGULATOR

Rego 1019V and 1021K Oxygen Regulators for Light Cutting

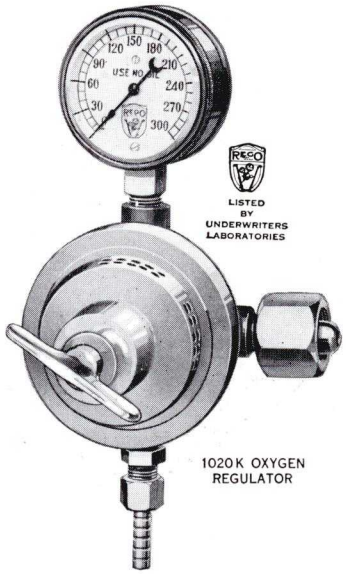
These two regulators are suitable for use with Rego KW Light Cutting Torch. No. 1021K is satisfactory for shops where it is not necessary to know the amount of gas left in the tank.

1019V

Diaphragm Diameter . . . . . 2 in.
Pressure Range . . . . . 0—150 lbs.
Tank (H. P.) Gauge No. 1154. 3000 lbs . . . . . 2 in.
Line (L. P.) Gauge No. 948. 300 lbs . . . . . 2 in.
Inlet Connection. Standard Oxygen Cylinder No. 967.
Hose Connection. No. 1203 for 5/16" hose.
Weight 3¼ lb. Code Word, Septer. Price $17.60.

1021K

Diaphragm Diameter . . . . . 2 in.
Pressure Range . . . . . 0—150 lbs.
Line (L. P.) Gauge No. 948. 300 lbs . . . . . 2 in.
Inlet Connection. Standard Oxygen Cylinder No. 967.
Hose Connection. No. 1203 for 5/16" hose.
Weight 2¾ lb. Code Word, Shab. Price $12.30.



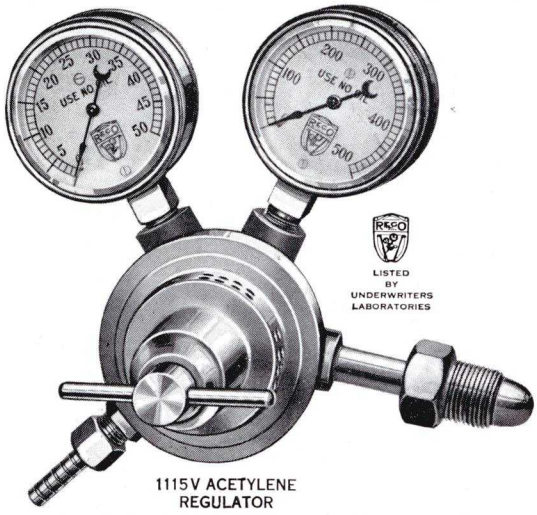
1020K OXYGEN REGULATOR

Rego 1020K Oxygen Regulator for General Cutting

Recommended for general cutting in shops where it is not necessary to know the amount of gas left in the tank.
Diaphragm Diameter . . . . . 2⅝ in.
Pressure Range . . . . . 0—200 lbs.
Line (L. P.) Gauge No. 930. 300 lbs . . . . . 2½ in.
Inlet Connection. Standard Oxygen Cylinder No. 967.
Hose Connection. No. 1204 for ¼" hose.
Weight 5 lb. Code Word, Shade. Price $17.00.

REGO Acetylene Tank Regulators

For Use on Standard 300 Pound Acetylene Tanks



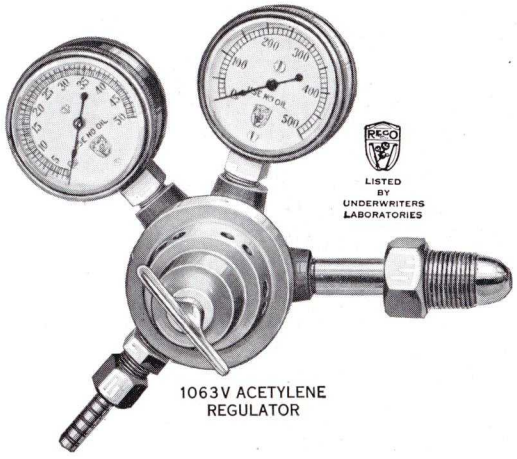
1115V ACETYLENE
REGULATOR

Rego 1115V Acetylene Regulator

Recommended for general and production welding and cutting because of its greater sensitiveness and longer life under constant use, than a smaller regulator.

Diaphragm Diameter . . . . . 2⅝ in.
Pressure Range . . . . . 0—30 lbs.
Tank (H.P.) Gauge No. 1152. 500 lbs. . . . . 2½ in.
Line (L.P.) Gauge No. 923. 50 lbs. . . . . 2½ in.
Inlet Connection No. 970 or as specified.
Hose Connection No. 1304 for ¼-inch hose.

Weight 6 lb. Code Word, Shadow. Price $21.25.



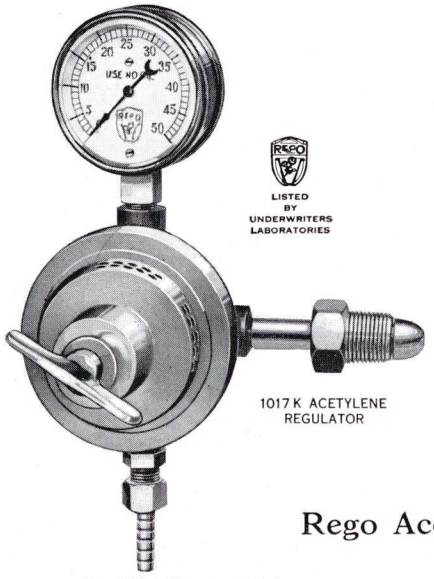
1063V ACETYLENE
REGULATOR

Rego 1063V Acetylene Regulator

Excellent for repair shops, garages and other shops where light welding or cutting is done occasionally.

Diaphragm Diameter . . . . . 2 in.
Pressure Range . . . . . 0—30 lbs.
Tank (H.P.) Gauge No. 1155. 500 lbs. . . . . 2 in.
Line (L.P.) Gauge No. 1156. 50 lbs. . . . . 2 in.
Inlet Connection No. 970 or as specified.
Hose Connection. No. 1303 for 3/16-inch hose.

Weight 3¼ lb. Code Word, Shake. Price $14.80.



1017K ACETYLENE
REGULATOR

Rego 1017K Acetylene Regulator

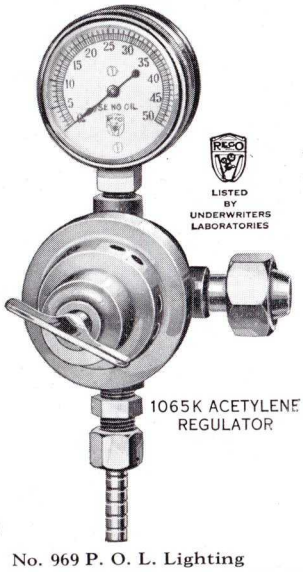
This single gauge regulator is satisfactory for general work in shops where it is not essential to know how much gas is left in the tank.

Diaphragm Diameter . . . . . 2⅝ in.
Pressure Range . . . . . 0—30 lbs.
Line (L.P.) Gauge No. 923. 50 lbs. . . 2½ in.
Inlet Connection No. 970 or as specified.
Hose Connection. No. 1304 for ¼-inch hose.
Weight 5 lbs. Code Word, Shel. Price $17.00.

Rego 1065K Acetylene Regulator

REGO 1065K regulator is satisfactory for shops in which it is not essential to know how much gas is left in the tank.

Diaphragm Diameter . . . . . 2 in.
Pressure Range . . . . . 0—30 lbs.
Line (L.P.) Gauge No. 1156. 50 lbs. . . . 2 in.
Inlet Connection No. 969 or as specified.
Hose Connection No. 1303 for 3/16-inch hose.
Weight 2½ lb. Code Word, Shik. Price $12.30.



1065K ACETYLENE
REGULATOR

Rego Acetylene Inlet Connections

No. 968A Commercial

This is a "Commercial" or "Searchlight" connection. It is the right hand thread female connection which fits the valves on the Commercial Acetylene Company's and the Searchlight Company's (Air Reduction) acetylene cylinders.

Code Word, Socord.

No. 970 P. O. L. Welding

This is the left hand thread male connection which fits the Prest-O-Lite Company's large welding cylinders and is known as a "P. O. L. Welding" connection. It is furnished as the standard connection on all Rego acetylene regulators (except No. 1065K), unless another connection is specified. Code Word, Socome.

No. 969 P. O. L. Lighting

This is the small right hand thread female connection which fits the valve in regular small (automobile size) Prest-O-Lite cylinders and is known as the "P. O. L. Lighting" connection. It is furnished as standard on all Rego No. 1065K (2-inch single gauge) regulators, unless other connection is specified.

Code Word, Socy.

See page 48 for prices on extra inlets for repairs. Always specify inlet when ordering acetylene regulators.

REGO Hydrogen Tank Regulators

For Use on Standard 2000 Pound Hydrogen Tanks

1054 V HYDROGEN REGULATOR

Rego 1054V Hydrogen Regulator for Light Welding and Cutting

REGO 1054V Regulator is excellent for repair shops, garages and other shops where the regulators are not in constant use.

Diaphragm Diameter . . . . . 2 in
Pressure Range . . . . . 0—40 lbs.
Tank (H. P.) Gauge No. 1154. 3000 lbs. . . . . 2 in.
Line (L. P.) Gauge No. 1156. 50 lbs. . . . . 2 in.
Inlet Connection. No. 983 (see bottom of page) or as specified.
Hose Connection. No. 1303 for 3/16" hose.

Weight 3¼ lb. Code Word, Shook. Price $17.60.

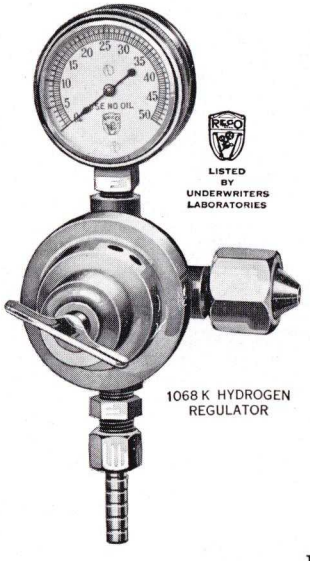
1150 V HYDROGEN REGULATOR

Rego 1150V Hydrogen Regulator for General Welding and Cutting

REGO 1150V regulators have a longer life under constant use and are naturally more sensitive than the smaller regulators. Recommended for all general and production work.

Diaphragm Diameter . . . . . 2⅝ in.
Pressure Range . . . . . 0—40 lbs.
Tank (H. P.) Gauge No. 1151. 3000 lbs . . . . . 2½ in.
Line (L. P.) Gauge No. 923—50 lbs . . . . . 2½ in.
Inlet Connection. No. 983—(see bottom of page) or as specified.
Hose Connections. No. 1304 for ¼" hose.

Weight 6 lbs. Code Word, Skur. Price $24.00.



1068 K HYDROGEN REGULATOR

Rego 1068K Hydrogen Regulator for Light Welding and Cutting

REGO 1068K covers a range similar to 1054V, and is satisfactory for shops in which it is not essential to know how much gas is left in the tank.

Diaphragm Diameter . . . . . 2 in.
Pressure Range . . . . . 0—40 lbs.
Line (L. P.) Gauge No. 1156. 50 lbs . . . . . 2 in.
Inlet Connection. No. 983 (see bottom of page) or as specified.
Hose Connections. No. 1303 for 3/16" hose.

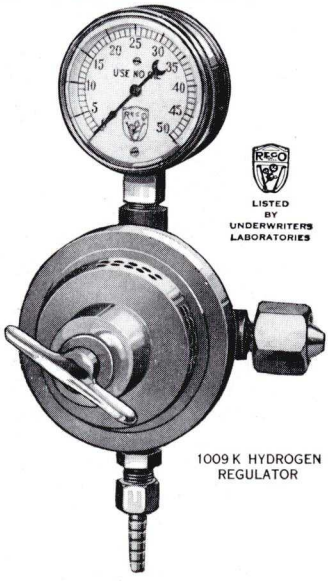
Weight 2¾ lbs. Code Word, Sky. Price $12.30.

Rego 1009K Hydrogen Regulator for General Welding and Cutting

REGO 1009K Regulator covers a range of work similar to the 1150V, and will meet the requirements of the shop which does not need to know the amount of gas left in the tank.

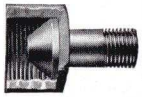
Diaphragm Diameter . . . . . 2⅝ in.
Pressure Range . . . . . 0—40 lbs.
Line (L. P.) Gauge No. 923. 50 lbs . . . . . 2½ in.
Inlet Connection No. 983 (See bottom of page) or as specified.
Hose Connections No. 1304 for ¼" hose.

Weight 5 lbs. Code Word, Skyre. Price $17.00.

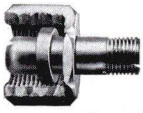


1009 K HYDROGEN REGULATOR

Rego Hydrogen Inlet Connections



No. 983 Half Inch Left Hand.
This is the ½ inch left hand thread connection known as the "Half inch Left Hand," which is furnished as standard on all Rego Hydrogen regulators, unless other connection is specified.
Code Word, Social.



No. 982. Left Hand Linde.
The "Left Hand Linde" connection shown here is about a ¾" pipe and has a left hand thread. It is furnished only when specified.
Code Word, Sock

See page 48 for prices on extra inlets for repairs. Always specify inlet when ordering hydrogen regulators.

REGO Master Manifold Regulators

REGO Master Manifold Regulators deliver large volumes of gas at uniform pressure and are used extensively in large installations where the gases are piped from manifold to individual stations, or in large cutting operations where a number of tanks are manifolded together to give the required volume. (Also see page 44)

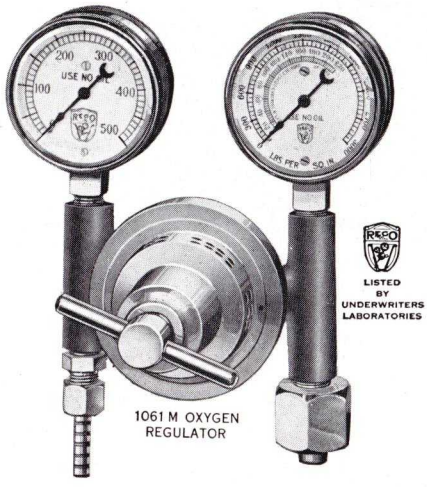
High Pressure Oxygen Regulators

For use with Standard 2000-lb. Oxygen Tanks

1060 M OXYGEN REGULATOR

Rego 1060M Oxygen Regulator for General Cutting

Diaphragm Diameter ..... 2⅝ in.
Pressure Range ..... 0-200 lbs.
Tank (H.P.) Gauge No. 1151—3000 lbs ..... 2½ in.
Line (L.P.) Gauge No. 930—300 lbs ..... 2½ in.
*Inlet Connection. Standard Oxygen Cylinder No. 967.
*Hose Connections. No. 1204 for ¼ in. hose.
Weight, 6½ lbs. Code Word, Slaif. Price $25.15

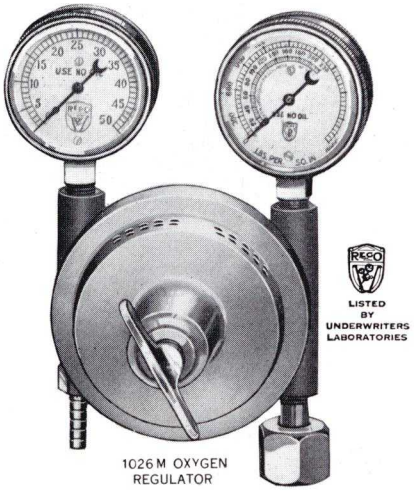


1061 M OXYGEN REGULATOR

Rego 1061 Oxygen Regulator for Heavy Duty Cutting

Diaphragm Diameter ..... 2⅝ in.
Pressure Range ..... 0-450 lbs.
Tank (H.P.) Gauge No. 1151—3000 lbs ..... 2½ in.
Line (L.P.) Gauge No. 1152—500 lbs ..... 2½ in.
*Inlet Connection. Standard Oxygen Cylinder No. 967.
*Hose Connections. No. 1204 for ¼ in. hose.
Weight, 7½ lbs. Code Word, Slain. Price $28.80

Low Pressure Oxygen and Gas Regulators



1026 M OXYGEN REGULATOR

This is the 1026M Oxygen Regulator. Regulators No. 1112M for acetylene and No. 1113M for hydrogen are of the same type.

Rego 1026M Oxygen Regulator for General Welding

For use with Standard 2000-lb. Oxygen Tanks

Diaphragm Diameter ..... 4 in.
Pressure Range ..... 0-40 lbs.
Tank (H.P.) Gauge No. 1151—3000 lbs ..... 2½ in.
Line (L.P.) Gauge No. 923—50 lbs ..... 2½ in.
*Inlet Connection. Standard Oxygen Cylinder No. 967.
*Hose Connections. No. 1204 for ¼ in. hose.
Weight, 8½ lbs. Code Word, Slait. Price $31.60

Rego 1112M Acetylene Regulator for General Welding and Cutting

For use with Standard 300-lb. Acetylene Tanks

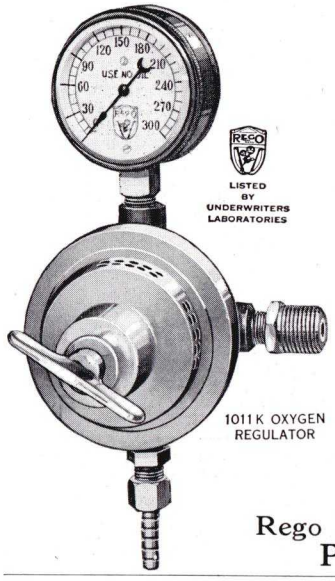
Diaphragm Diameter ..... 4 in.
Pressure Range ..... 0-30 lbs.
Tank (H.P.) Gauge No. 1152—500 lbs ..... 2½ in.
Line (L.P.) Gauge No. 923—50 lbs ..... 2½ in.
*Inlet Connections. No. 970 (See bottom page 40).
*Hose Connections. No. 1304 for ¼ in. hose.
Weight, 8½ lbs. Code Word, Slake. Price $28.85

Rego 1113M Hydrogen Regulator for General Welding and Cutting

For use with Standard 2000-lb. Hydrogen Tanks

Diaphragm Diameter ..... 4 in.
Pressure Range ..... 0-40 lbs.
Tank (H.P.) Gauge No. 1151—3000 lbs ..... 2½ in.
Line (L.P.) Gauge No. 923—50 lbs ..... 2½ in.
*Inlet Connection. No. 983 (See bottom Page 41).
*Hose Connection. No. 1304 for ¼ in. hose.
Weight, 8½ lbs. Code Word, Slap. Price $31.60
*NOTE: Special inlet and outlet connections may be had if specified.
Always Specify Inlet When Ordering Acetylene or Hydrogen Regulators.

REGO Line Pressure Regulators for All Gases



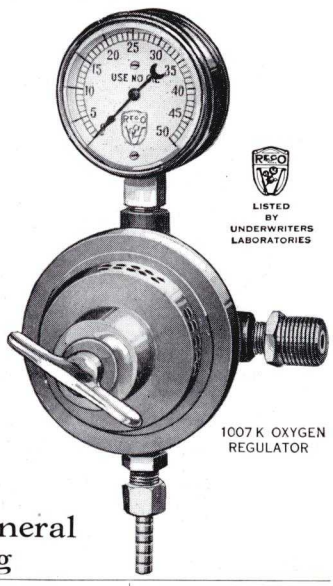
1011 K OXYGEN REGULATOR

Practically all large oxy-acetylene and oxy-hydro gen installations are equipped with manifold rooms in which the oxygen and gas cylinders are located. The gases are piped through master regulators to the various stations under pressures at least 50% greater than the pressure required at the torch. At each station is a pair of line regulators to take care of the operator's individual pressure requirements.

Most shops with this type of installation work on a production scale with the regulators in more or less constant use, and should use Rego 2⅝" line regulators, because of their accurate pressure regulation and long life. On the few installations where the volume requirements are small, and very sensitive regulation is not essential, Rego 2" regulators will prove satisfactory.

Regulators built for "tank" service should never be used for "line" service.

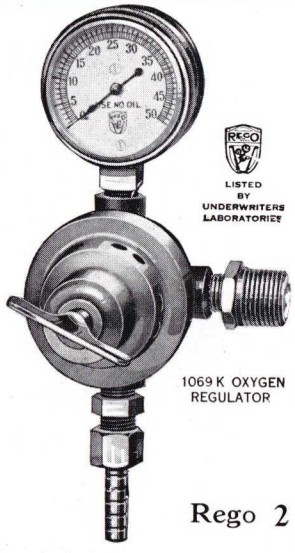
Important: To obtain best regulation, the line Pressure should be maintained at least 50% greater than highest pressure required at the torch.



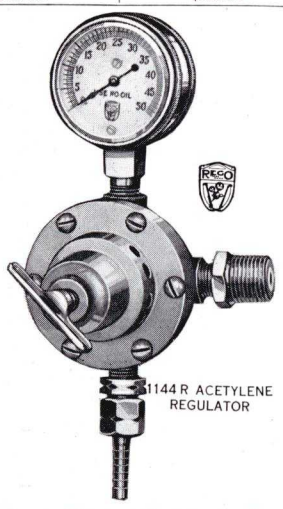
1007 K OXYGEN REGULATOR

Rego 2⅝ In. Line Regulators for General Production Welding and Cutting

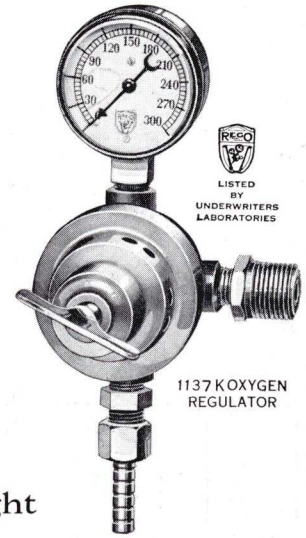
	1011K Oxygen High Pressure Regulator for Cutting	1007K Oxygen Low Pressure Regulator for Welding	1108K Acetylene Regulator for Welding and Cutting	1116K Hydrogen Regulator for Welding and Cutting
Diaphragm Diameter	2⅝"	2⅝"	2⅝"	2⅝"
Outlet Pressure Range	0-200 lb.	0-40 lb.	0-12 lb.	0-40 lb.
Line gauge	No. 930-300 lb. 2½"	No. 923-50 lb. 2½"	No. 923-50 lb. 2½"	No. 923-50 lb. 2½"
*Inlet Connection	No. 940 ½" Male Pipe	No. 940 ½" Male Pipe	No. 940 ½" Male Pipe	No. 940 ½" Male Pipe
*Hose Connection	No. 1204 for ¼" Hose	No. 1204 for ¼" Hose	No. 1304 for ¼" Hose	No. 1304 for ¼" Hose
Weight	5 lb.	5 lb.	5 lb.	5 lb.
Code Word	Slash	Slave	Slaw	Sleck
Price	$16.50	$16.50	$16.50	$16.50



1069 K OXYGEN REGULATOR



1144 R ACETYLENE REGULATOR



1137 K OXYGEN REGULATOR

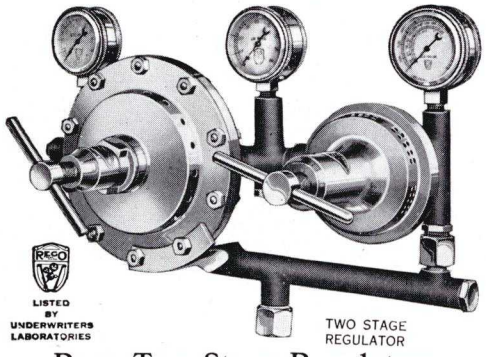
Rego 2 In. Line Regulators for Light Welding and Cutting

	1137K Oxygen High Pressure Regulator For Cutting	1069K Oxygen Low Pressure Regulator For Welding	1067K Hydrogen Regulator for Welding and Cutting	1144R Acetylene Regulator for Welding and Cutting
Diaphragm Diameter	2"	2"	2"	2"
Outlet Pressure Range	0-150	0-40	0-40	0-12
Line Gauge	No. 948, 300 lb., 2"	No. 1156, 50 lb., 2"	No. 1156, 50 lb., 2"	No. 1156, 50 lb., 2"
*Inlet Connection	No. 940, ½" Male Pipe	No. 940, ½" Male Pipe	No. 940, ½" Male Pipe	No. 940, ½" Male Pipe
*Hose Connection	No. 1203 for 3/16" Hose	No. 1203 for 3/16" Hose	No. 1303 for 3/16" Hose	No. 1303 for 3/16" Hose
Weight	2½ lbs.	2½ lbs.	2½ lbs.	3 lbs.
Code Word	Sleeve	Slic	Slipir	Slit
Price	$11.80	$11.80	$11.80	$12.05

*NOTE:—Special inlet and outlet connections may be had if specified. Always Specify Inlet Connection When Ordering Regulators.

Special Types of REGO Regulators Which Meet Unusual Requirements

Many installations require special regulators to meet unusual conditions, such as very large volume, extra sensitive regulation, etc. The regulators shown on this page are designed to meet such unusual requirements. If there is none listed which will fit your needs, send us the specifications and we will design and build one which will.

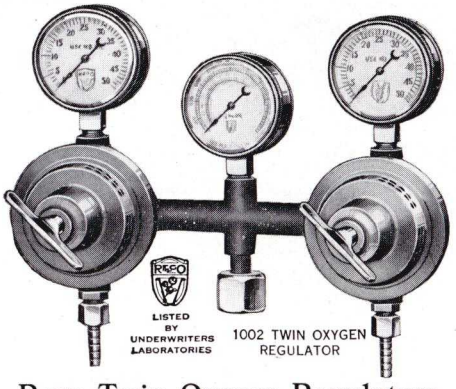


Rego Two Stage Regulators

This type of regulator will deliver exceptionally large volumes of gas at absolutely constant pressures even though the inlet pressure varies widely. It is intended for use with gases such as oxygen and hydrogen, with a high initial inlet pressure and an outlet pressure of not much more than 50 lbs. Made to order on individual specifications. Approximate price, $170.00.

Rego 1066 LM Regulator (see cut below)

Similar in purpose to two stage regulators, but is for use with acetylene or other fuel gas with a comparatively low initial inlet pressure. Made to order on individual specifications.
Approximate price, $110.00.



Rego Twin Oxygen Regulators

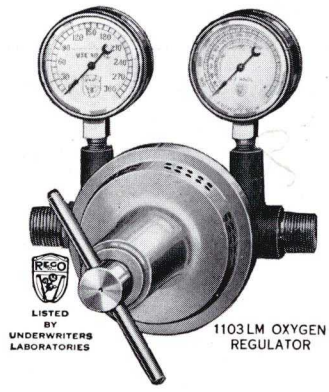
Used with 2 or more 2000-lb. oxygen cylinders manifolded together.

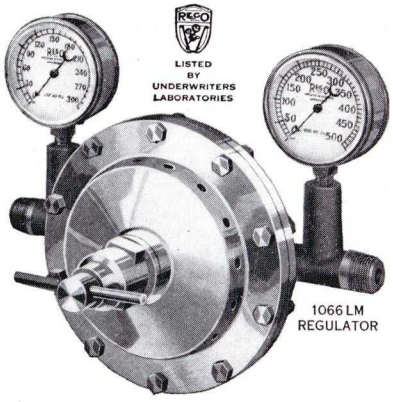
Rego Twin Regulators are economical where two torches are being operated close together as they save the cost of two oxygen Regulators. All regulator units have 2⅝ in. diaphragms.

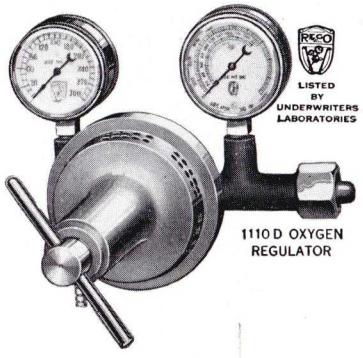
No. 1000 for 1 Welding Torch and 1 Cutting Torch.
Pressure Range 0-40 0-200
Weight, 14 lbs. Code Word, Slok. Price $45.40

No. 1002 (as shown) for 2 welding torches.
Pressure Range 0-40 0-40
Weight, 14 lbs. Code Word, Slon. Price $45.40

No. 1005 for 2 cutting torches. Pressure Range . 0-200 0-200
Weight, 14 lbs. Code Word, Slow. Price $45.40







Rego Type LM 4″ Manifold Regulators

Inlet and outlet are ¾ in. male pipe thread placed at 180 deg. so that the regulator can be placed right in the manifold line (see page 57). These regulators are extensively used in installations where the gas is supplied directly from the oxygen plant to the welding shop.

Number	Gas	Diaphragm Dia.	Pressure Range	H. P. Tank Gauge	L. P. Line Gauge	Inlet	Outlet	Wt.	Code Word	Price
1018LM	Acetylene	4″	0- 30 lb.	1152— 500 lb. 2½″	923— 50 lb. 2½″	¾″ male	¾″ male	12 lbs.	Sloy	$46.50
1103LM	Oxygen	4″	0-150 lb.	1151—3000 lb. 2½″	930—300 lb. 2½″	¾″ male	¾″ male	12 lbs.	Slub	46.50
1114LM	Hydrogen	4″	0- 40 lb.	1151—3000 lb. 2½″	923— 50 lb. 2½″	¾″ male	¾″ male	12 lbs.	Sluer	46.50

NOTE: This type regulator may also be had with connections reversed, i.e., inlet on left hand side and outlet on right hand side.

Rego D Type 4″ Tank Regulators

Rego 4″ tank regulators are recommended where large volume and more than ordinarily accurate regulation are required.

Number	Gas	Diaphragm Dia.	Pressure Range	H. P. Tank Gauge	L. P. Line Gauge	Inlet	Hose Connection	Wt.	Code Word	Price
1110D	Oxygen	4″	0-150 lb.	1151—3000 lb. 2½″	930—300 lb. 2½″	967 Std. Oxy. Cyl.	1204 for ¼″ hose	10 lbs.	Slug	$35.60
1111D	Acetylene	4″	0- 30 lb.	1152— 500 lb. 2½″	923— 50 lb. 2½″	970 (see page 40)	1304 for ¼″ hose	10 lbs.	Slush	28.85
1136D	Hydrogen	4″	0- 40 lb.	1151—3000 lb. 2½″	923— 50 lb. 2½″	983 (see page 41)	1304 for ¼″ hose	10 lbs.	Smac	31.60
1135D	Oxygen	4″	0- 40 lb.	1151—3000 lb. 2½″	923— 50 lb. 2½″	967 Std. Oxy. Cyl.	1204 for ¼″ hose	10 lbs.	Smkad	31.60

REGO Compressed Air Regulators

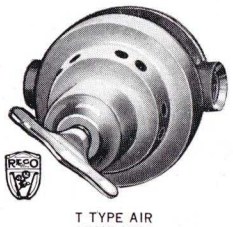
REGO Compressed air regulators are designed to deliver large volumes of air with comparatively low inlet pressures. Their design and construction is similar to that shown on page 36. They are made in two styles—rubber diaphragm, and bronze diaphragm. All Rego air regulator inlet and outlets are tapped with a female pipe thread. No gauges are furnished, the gauge openings being tapped ¼ in. female pipe thread. Prices of regulators with gauges and special fittings will be quoted on application.

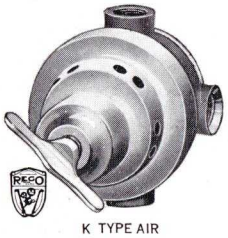
R Type Rubber Diaphragm Regulators

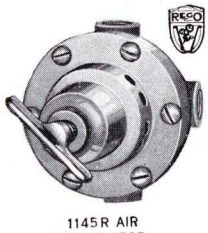
REGO R type rubber diaphragm regulators are extremely accurate and are recommended for general air service. They are especially fine for use with paint spray guns or in other processes where large volumes of air must be delivered with only a small fluctuation between delivery and shut off pressures. Not recommended where any oil passes through the regulator as oil shortens the life of the diaphragm and seat. Type R regulators are made in two sizes—No. 1140R with 3 in. diaphragm and No. 1145R with 2 in. diaphragm.

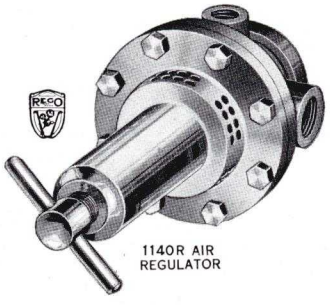
T and K Type Bronze Diaphragm Regulators

REGO T and K Type Bronze Diaphragm regulators are recommended for pressure regulation in connection with oil burners and other processes where oil is likely to be present in the regulator. Their price makes them attractive when extremely accurate regulation, large volumes and quick shut off are not essential. The 1170T and 1172K are for delivery of low outlet pressures, and the 1171T and 1173K for high outlet pressures. These regulators may be had with loose diaphragm as outlined on page 37 if desired.


T TYPE AIR REGULATOR


K TYPE AIR REGULATOR


1145R AIR REGULATOR


1140R AIR REGULATOR

Comparative Performance Table for Rego Air Regulators

This comparative volume table shows the maximum fluctuation between delivery and shut off pressures as the volume is increased while the inlet and outlet pressures are held constant at 100 lbs. and 50 lbs. respectively. This table does not represent the maximum pressure or volume or the minimum fluctuation which can be obtained with these regulators, but is given to assist in the selection of the regulator best suited to your needs.

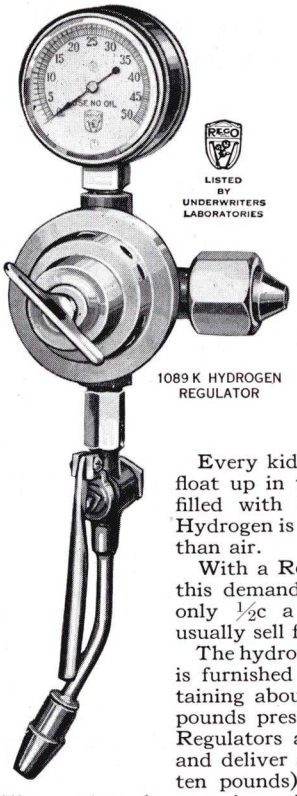
Regulator Number	Inlet pressure lbs. per sq. in.	Outlet pressure lbs. per sq. in.	†Volume cu. ft. per hr.	‡Fluctuation between delivery and shut off pressures	*Range of pressures obtainable	
					Max. Inlet	Max. Outlet
1140R	100	50	500 to 1450	5 to 10	300	100
1145R	100	50	370 to 850	5 to 10	300	50
1170T 1172K	100	50	100 to 375	5 to 10	300	50
1171T 1173K	100	50	90 to 230	5 to 10	300	150

†With outlet pressure remaining constant, volume increases with increase in inlet pressures, and if greater fluctuation is permissible, greater volume may be obtained.
‡With inlet and outlet pressures remaining constant, the fluctuation decreases in proportion to the decrease in volume.
With volume and outlet pressure remaining constant, the fluctuation decreases with increase in inlet pressure.
*To obtain best results, the inlet pressure should be at least 50% greater than the outlet pressure.

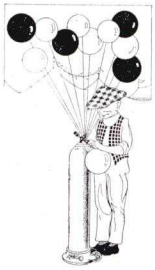
Specifications and Prices

Number	1140R	1145R	1170T	1171T	1172K	1173K
Diaphragm	3-in. Rubber	2-in. Rubber	2-in. Bronze	2-in. Bronze	2-in. Bronze	2-in. Bronze
Inlet Opening	½-in. Female Taper Pipe	¼-in. Female Taper Pipe	¼-in. Female Straight Pipe	¼-in. Female Straight Pipe	¼-in. Female Straight Pipe	¼-in. Female Straight Pipe
Outlet Opening	½-in. Female Taper Pipe	¼-in. Female Taper Pipe	¼-in. Female Taper Pipe	¼-in. Female Taper Pipe	¼-in. Female Taper Pipe	¼-in. Female Taper Pipe
Gauge Opening	¼-in. Female Taper Pipe	¼-in. Female Taper Pipe	¼-in. Female Taper Pipe	¼-in. Female Taper Pipe	¼-in. Female Taper Pipe	¼-in. Female Taper Pipe
Weight	4⅞ Lbs.	2⅛ Lbs.	1⅝ Lbs.	1⅝ Lbs.	1¾ Lbs.	1¾ Lbs.
Code Word	Smare	Smak	Smeal	Smeb	Smede	Smeek
Price	$13.60	$9.00	$8.60	$8.60	$8.80	$8.80

REGO Balloon Filling Regulators



1089 K HYDROGEN REGULATOR



1058 V HYDROGEN REGULATOR

Every kid wants a balloon that will float up in the air. That means one filled with hydrogen instead of air. Hydrogen is about sixteen times lighter than air.

With a Rego Outfit you can supply this demand at an additional cost of only ½c a balloon. Such balloons usually sell for 15 or 20c.

The hydrogen used for filling balloons is furnished in convenient tanks containing about 200 feet of gas at 1800 pounds pressure. The Rego Pressure Regulators are attached to the tanks and deliver a uniform pressure (about ten pounds) of gas into the balloon. The regulator has a spring valve. The balloon is slipped over the nozzle, the valve pressed and presto, the balloon is filled.

There are two styles of Rego Regulators—single and double gauge. The single gauge type shows the pressure being used in the balloon. The double gauge also shows the amount of gas left in the tank. This insures against running out of gas when business is good.

Rego Single Gauge Balloon Regulator No. 1089K

Weight 3¼ lb. Code Word, Smore. Price $15.50.

Rego Double Gauge Balloon Regulator No. 1058V

Weight 3¾ lb. Code Word, Smot. Price $20.75

Be sure to specify regulator inlet connection when ordering. See bottom of page 41.

Tank Holders to make the outfit portable are shown on page 21.

REGO Adapter Gauges

Single gauge regulators are frequently purchased on initial orders because of the saving in cost. As business increases, it becomes necessary to use larger tanks and regulators with high pressure tank gauges. Rego combination adapter gauges provide a simple method of supplying the additional gauges without scrapping the single gauge regulators. Connection is made to the regulator inlet and to the tank.

For Oxygen

No. 1188 Oxygen Adapter Gauge with 1154—2″—3000 lb. brass gauge as illustrated.

Weight 1½ lb. Code Word, Smowk. Price $7.80.

For Acetylene

No. 1187 Acetylene Adapter Gauge is similar to No. 1188, but connects regulator with P. O. L. Lighting inlet (Rego No. 969 female) to Commercial or Airco welding cylinder. Has 1155—2″—500 lb. brass gauge.

Weight 1½ lb. Code Word, Smudge. Price $5.00.

No. 1186 Acetylene Adapter Gauge—as illustrated—connects regulator with P. O. L. lighting tank inlet (Rego No. 969 female) to P. O. L. Welding Cylinder. Has 1155—2″—500 lb. brass gauge.

Weight 1½ lb. Code Word, Smurk. Price $5.00.

Combination adapter gauges with special regulator and tank connections may be had on order. Large size (2½″) brass gauges may also be had if specified.

REGO Regulator Adapters

For Acetylene

No. 978 Prest-O-Lite Welding Cylinder to Commercial Valve Fitting

If regulator fits Commercial or Searchlight cylinder and you want to use a Prest-O-Lite welding cylinder, order this adapter.

Wt. 5/8 lb.—Code Word, Snab—Price $1.55

No. 979 Prest-O-Lite Welding Cylinder to Prest-O-Lite Lighting Valve Fitting

If regulator fits Prest-O-Lite lighting tank and you want to use a Prest-O-Lite welding cylinder, order this adapter.

Wt. 5/8 lb.—Code Word, Snag—Price $1.55

No. 980 Commercial Cylinder to Prest-O-Lite Welding Valve Fitting

If regulator fits Prest-O-Lite welding cylinder and you want to use a Commercial cylinder, order this adapter.

Wt. 11/16 lb.—Code Word, Snall—Price $1.50

No. 981 Prest-O-Lite Lighting Cylinder to Prest-O-Lite Welding Cylinder Valve Fitting

If regulator fits Prest-O-Lite welding cylinder and you want to use a Prest-O-Lite lighting cylinder, use this adapter.

Wt. 5/8 lb.—Code Word, Snaip—Price $1.40

No. 939 Commercial Cylinder to Prest-O-Lite Lighting Valve Fitting

If regulator fits a Prest-O-Lite lighting cylinder and you want to use a Commercial cylinder, order this adapter.

Wt. 1/2 lb.—Code Word, Snap—Price $1.30

No. 939A Prest-O-Lite Lighting Cylinder to Commercial Valve Fitting

If regulator fits a Commercial cylinder and you want to use a Prest-O-Lite lighting cylinder, order this adapter.

Wt. 7/16 lb.—Code Word, Snake—Price $1.20

For Hydrogen

No. 1012 Hydrogen Adapter

If regulator fits tank with left hand Linde thread, and you want to use a cylinder with left hand 1/2-inch thread, use this adapter.

Wt. 1/2 lb.—Code Word, Snarl—Price $1.45

No. 1013 Hydrogen Adapter

If regulator fits tank with left hand 1/2-inch thread and you want to use a cylinder with left hand Linde thread, use this adapter.

Wt. 1/2 lb.—Code Word, Snater—Price $1.45

Rego Elbow Adapters for Acetylene

No. 941 holds regulator in horizontal position and connects regulator which fits P. O. L. Lighting Tank, to a standard P. O. L. Welding cylinder.

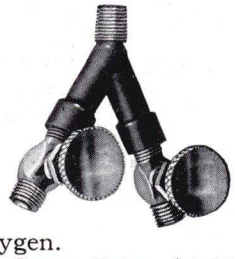
Weight 1/2 lb.—Price $2.60
Code Word, Sneb

No. 959 holds regulator in horizontal position and connects regulator which fits Commercial or Searchlight tank to a standard P. O. L. Welding cylinder.

Weight 1/2 lb.—Price $2.60
Code Word, Sneck

Rego Two Hose Regulator Outlet

This device is useful for small shops doing light welding. It is used to save the expense of two regulators. Connections are provided so that two torches can be operated off of the same regulator.



No. 1233 Oxygen.

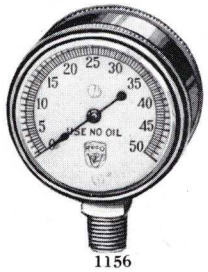
Wt. 11/16 lb.—Code Word, Sny.—Price $4.00

No. 1333 Gas

Wt. 11/16 lb.—Code Word, Snying—Price $4.00

REGO Pressure Gauges

REGO polished brass gauges are of the best material and workmanship obtainable. Like any other delicate recording instrument they must be given reasonable care if accurate results are expected. Connections are all ¼-inch pipe thread. Heavy beveled plate glass covers are secured to the gauges with coarse threaded retaining rings. Safety back and solid face construction on the high pressure gauges prevent accident to the operator.



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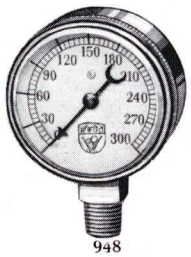
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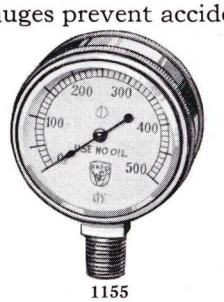

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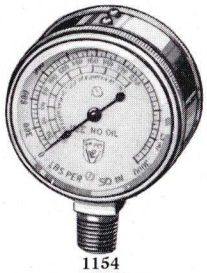
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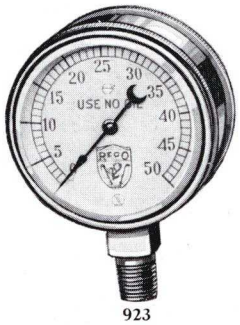

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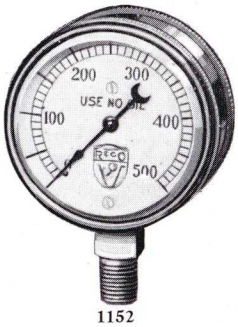


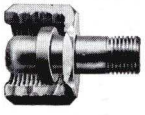
1152

1151

Number	Dial Lbs.	Diameter	Calibration	Weight Lbs.	Code Word	Price
923	50	2½″	1-lb. Units	⅞	Soak	$4.20
930	300	2½″	10-lb. Units	⅞	Soam	4.20
1152	500	2½″	10-lb. Units	⅞	Soap	4.20
1151	3000	2½″	50-lb. Pressure Units. 4 cu. ft. Volume Units	⅞	Soar	6.95
1156	50	2″	½-lb. Units	½	Sob	2.10
948	300	2″	5-lb. Units	½	Sobby	2.10
1155	500	2″	10-lb. Units	½	Sober	2.10
1154	3000	2″	50-lb. Pressure Units. 20 cu. ft. Volume Units	½	Sobk	4.90

REGO Regulator Inlet Connections

No. 967—For All Oxygen Tanks (in the U. S.)



This special Right Hand thread connection fits valves on all oxygen tanks with Linde outlet.

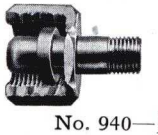
Wt. ½ lb.—Code Word, Socht. Price $0.80

No. 983—½-in. Left Hand Hydrogen Tank

Fits valves of hydrogen cylinders with ½ in. left hand thread.

Weight ½ lb.—Code Word, Social. Price $0.80

No. 982—Left Hand Linde—Hydrogen Tank



Fits valves of hydrogen cylinders with left hand Linde thread.

Weight ½ lb.—Code Word, Sock. Price $0.80

No. 940—½-in. Male—For All Gases—Line

This ½ in. male pipe thread inlet is used for connecting regulator to manifold lines.

Weight ⅜ lb.—Code Word, Sow. Price $0.40

No. 970A—P. O. L. Welding Acetylene Tank

Short arm type, fits valves in Prest - O - Lite Company's large welding cylinders.

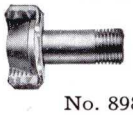
Weight ½ lb.—Code Word, Socome. Price $0.95

No. 968A—Commercial Acetylene Tank

Short arm type fits valves on Commercial Acetylene Company's, and Searchlight (Air Reduction Company's) acetylene cylinders.

Weight ½ lb.—Code Word, Socord. Price $0.80

No. 969—P. O. L. Lighting Acetylene Tank



Fits valves in Prest-O-Lite Company's small acetylene tanks A, B or E.

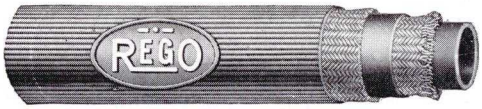
Weight ¼ lb.—Code Word, Socy. Price $0.80

No. 898—P. O. L. Lighting Acetylene Tank

Fits valves in Prest-O-Lite Company's small acetylene tanks A, B or E, and has slip hose connection for 3/16 in. hose.

Weight 3/16 lb.—Code Word, Sod. Price $0.80

Rego High Pressure Hose



REGO hose is made especially for the oxy-acetylene industry by a special process that insures resistance to disintegration. The rubber is reinforced with woven fabric as shown. This construction is superior to the ordinary cloth wrapped hose for the oxy-acetylene industry because it is much lighter in weight for the same strength, is more pliable, and durable.

REGO hose colors are green for Oxygen and black for acetylene to match torch and regulators.

Always Specify Hose Color and Size When Ordering.

Prices

Prices are given of standard lengths and sizes with connections and clamps. Prices on special lengths and hose and tubing only without connections will be quoted on application.

¼-in. copper or steel armored, 25 ft. lengths—weight, 4¾ lbs. Code Word, Soe ..... Price $11.50

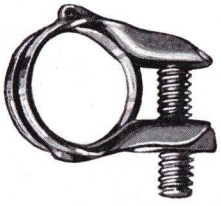
¼ in. green or black corrugated, 12½ ft. lengths—weight 2 lbs. Code Word, Soer ..... Price 4.35

3/16 in. green or black corrugated, 12½ ft. lengths—weight 1 lb. Code Word, Sofan ..... Price 3.30

3/16 in. green or black corrugated, 10 ft. lengths—weight ¾ lb. Code Word, Soffem ..... Price 2.80

3/16 in. green or black corrugated, 6 ft. lengths—weight ½ lb. Code Word, Soffy ..... Price 2.05

Rego Hose Clamps



REGO Hose Clamps are simple to attach and firmly hold the hose to the tailpiece. Use to prevent expensive leaks of gas at all hose connections.

REGO No. 837 hose clamp for Rego ¼-inch double fabric hose, inside diameter normal 5/8-inch, fully compressed 9/16-inch.

Weight Per Doz. ¼ lb.—Code Word, Sofice
Price, per doz., $0.66

REGO No. 837A hose clamp for Rego armoured hose, inside diameter normal ¾-inch fully compressed 5/8-inch.

Weight, per doz. ¼ lb.—Code Word, Sofist
Price, per doz., $0.66

REGO No. 837B hose clamp for Rego 3/16-inch, single fabric hose, inside diameter normal ½-inch, fully compressed 7/16-inch.

Weight per doz. ¼ lb.—Code Word, Soft
Price, per doz., $0.66

Rego Regulator Gauge Plug

No. 985 is a brass plug with ¼-inch taper thread for closing gauge openings in regulators.

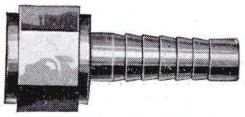
Weight 1/32 lb.—Code Word, Sog, Price $0.15

Rego Hose Connections

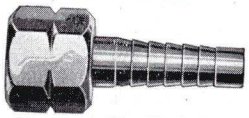
See Page 35 for full information on Rego New Standard Hose Connections.

REGO Hose Connections are made to the new universal standard adopted by U. S. Manufacturers. Connections for acetylene or other fuel gas have a left hand thread and can be identified by single groove in center of hex. Oxygen connections have a right hand thread and can be be identified by shoulder cut on each side of Hex. When ordering, always specify inside diameter of hose and whether for oxygen or fuel gas (acetylene, hydrogen, etc.)

Female Swivel Hose Connections



No. 1204—For Oxygen



No. 1304—For Fuel Gas (acetylene, hydrogen, etc.)

No.	Size Tailpiece	Wt. Lb.	Code Word	Price
1202 For	1/8 I. D. Hose	1/16	Soger	$0.25
1203 For	3/16 I. D. Hose	1/16	Soght	.25
1204 For	¼ I. D. Hose	1/16	Soht	.25
1205 For	5/16 I. D. Hose	1/16	Soil	.25
1206 For	3/8 I. D. Hose	1/16	Soin	.25
	For Acetylene or Other Fuel Gas			
1302 For	1/8 I. D. Hose	1/16	Soir	.25
1303 For	3/16 I. D. Hose	1/16	Sok	.25
1304 For	¼ I. D. Hose	1/16	Soka	.25
1305 For	5/16 I. D. Hose	1/16	Soker	.25
1306 For	3/8 I. D. Hose	1/16	Solan	.25

Rego Hose Nipples

No. 1201 for Oxygen

No. 1301 for Fuel Gas (acetylene, hydrogen, etc.)

No. 1201 for connecting two lengths of hose. Both ends take Rego standard oxygen swivel hose connections.

Wt. 1/16 lb.—Code Word, Soldier—Price $0.22

No. 1301 for connecting two lengths of hose equipped with Rego standard acetylene swivel hose connections.

Weight 1/16 lb.—Code Word, Sole—Price $0.22

Rego Regulator Outlet Bushings

No. 1200—For Oxygen

No. 1300—For Fuel Gas

No. 1200—One end ¼-inch taper pipe thread to fit regulator outlet, other end fits Rego standard oxygen swivel hose connection.

Weight 1/16 lb.—Code Word, Solel—Price $0.20

No. 1300—One end ¼-inch taper pipe thread to fit regulator outlet—other end fits Rego standard acetylene swivel hose connection.

Weight 1/16 lb.—Code Word, Solen—Price $0.20

Rego Hose Splicer

Rego hose splicers are for splicing 2 lengths of hose.

	Wt. Lb.	Code Word	Price
No. 830 for 3/16 in. I. D. Hose	1/16	Soles	$0.50
No. 831 for ¼ in. I. D. Hose	1/16	Soley	.50
No. 832 for 5/16 in. I. D. Hose	1/16	Solin	.50
No. 833 for 3/8 in. I. D. Hose	1/16	Solist	.50

Rego 6 in 1 Goggles

REGO 6 in 1 Goggles are strong, light and comfortable. With one fibre frame, and a complete set of the lenses which are scientifically designed for the different classes of work, the operator has goggles available for welding, cutting, grinding, chipping and metal pouring.

No. 1—For acetylene welding — medium amber—weight, ¼ lb. Code Word, Solive.....Price $2.80
No. 2—For oxy-acetylene or oxy-hydrogen cutting—light amber—weight, ¼ lb. Code Word, Solle.....Price 2.80
No. 3—For electric welding—dark amber—weight ¼ lb. Code Word, Sollom....Price 2.80
No. 4—For grinding—weight, ¼ lb. Code Word, Solly.....Price 2.25
No. 5—For chipping—weight, ¼ lb. Code Word, Solo.....Price 2.80
No. 6—For metal pouring (blue lens) weight, ¼ lb. Code Word, Solp.....Price 2.80

Rego Fibre Spectacles

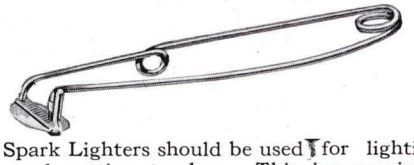
REGO Spectacles are a comfortable, serviceable, non-heat conducting fibre spectacle at a popular price.

No. 1—For oxy-acetylene welding, weight, ⅛ lb. Code Word, Solve.....Price $1.85
No. 2—For oxy-acetylene or oxy-hydrogen cutting—weight, ⅛ lb. Code Word, Solvd.....Price 1.85

Repair Parts for Goggles and Spectacles

Amber, smoked or blue lenses. Code Word, Som.....Price per pair $0.80
Clear or amber cover glasses. Code Word, Soma.....Price per pair .20
Regular clear industrial lenses for grinding. Code Word, Somare...Price per pair .35
Clear laminated non-chipping lenses. Code Word, Somber.....Price per pair 1.00
Rubber gaskets. Code Word, Somd .Price per pair. .05

Rego Spark Lighters



REGO Spark Lighters should be used for lighting all welding and cutting torches. This inexpensive item saves much time and prevents the accidental burning of hands and fingers.

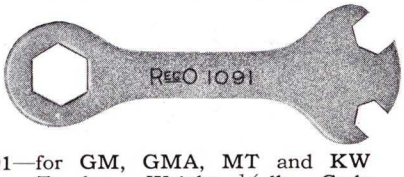
Spark Lighter. Code Word Somdel.....Price each $0.20
Extra Lighter Tips. Code Word, Sonar. Price per doz. 1.00

Rego Wrenches

REGO Wrenches are made with openings to take the nuts on the different Rego Torches and Regulators. They are carefully designed so as to leave plenty of stock where needed to prevent spreading of the jaws, and are finished with a special rust proof process.

No. 1073—for all regulators and regulator adapters. Weight, ⅝ lb. Code Word, Sonder.....Price $0.75

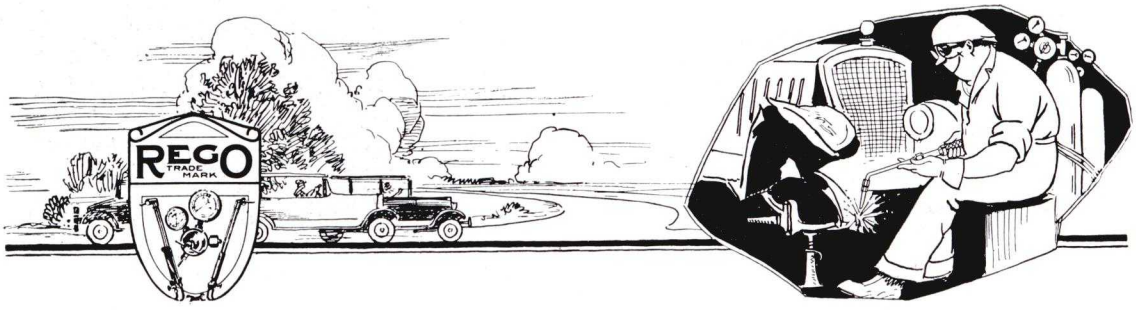
No. 1090—for L and GL torches. Weight, ½ lb. Code Word, Sondry.....Price .75



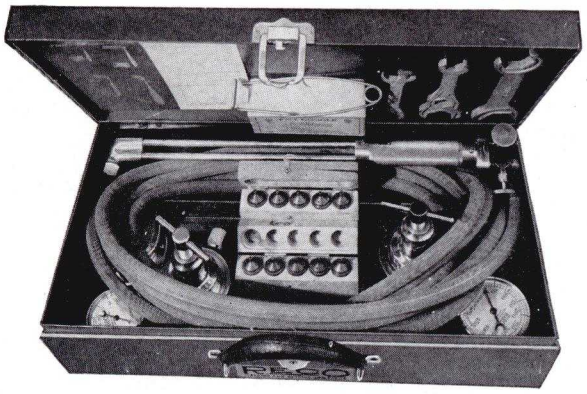
No. 1091—for GM, GMA, MT and KW Torches. Weight, ½ lb. Code Word, Sonen.....Price .75

No. 1092—for K and C Torches. Weight, ½ lb. Code Word, Soneri.....Price .75

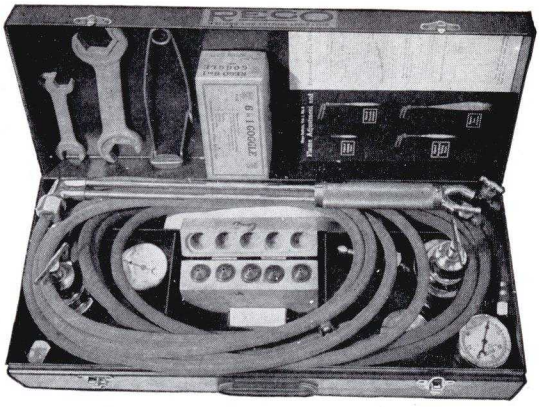
No. 1075—for GS and GSA Torches. Weight, ⅛ lb. Code Word, Sonet.....Price .40



REGO Steel Carrying Cases



Large Size



Small Size

For the Good Mechanic Who Takes Care of His Tools
Durable—Convenient—Compact

All Rego welding and cutting outfits are packed in substantial welded steel carrying cases or tool boxes. The larger cases are made of 24 gauge steel and the smaller of 26 gauge. Partitions separate the various parts and hold them in proper position. The large outfit box has a lock and key and leather handle, the small box substantial clasps and steel handle.

These cases are real tool boxes convenient for carrying the equipment outside of the shop and give proper protection to the tools when not in use.

Large Size Steel Carrying Case—23x11x5½".
Weight 9 lb. Code Word, Song.....Price $7.50

Small Size Steel Carrying Case—19½x8x4½".
Weight 5 lb. Code Word, Songen.....Price $4.00

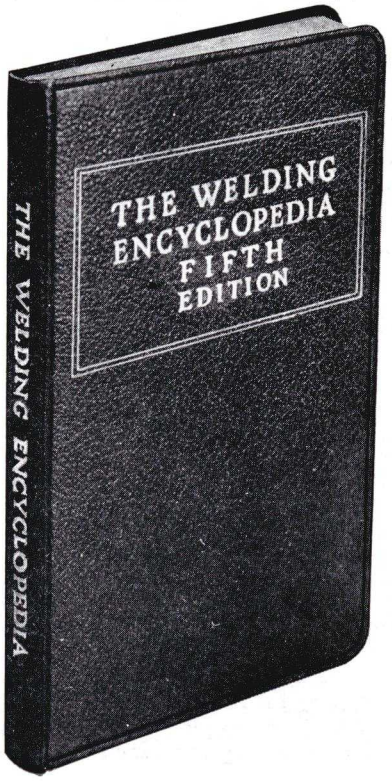
If You Weld—You Need The Welding Encyclopedia

The Welding Encyclopedia is a single volume, covering the entire range of problems which can arise in the application of the welding process. It is a practical manual, compiled from the combined years of experience of all the welders in the industry.

No matter what kind of a job you may have, the Welding Encyclopedia tells you how to tackle it, and it is arranged and cross indexed so that you can find the information you need in an instant.

To help Rego Welders become better welders, we will ship with any Rego Outfit which does not regularly contain a Welding Encyclopedia, a copy of the encyclopedia at the regular price of the outfit plus $3.00.

Welding Encyclopedia. Price.....$5.00
Weight 1⅛ lb. Code Word, Songish.



REGO Type "S" Stationary Acetylene Generators

Listed by Underwriters' Laboratories

Rego 851-S Generator

Industrial plants and large welding shops which use a quantity of acetylene will find Rego type "S" generators a splendid investment. They produce clean, cool acetylene for approximately 1.5c a cu. ft., as against 3 to 5c a foot and up for tank acetylene. This saving will soon repay their initial cost and then continue to pay dividends as long as the generator lasts.

Despite this tremendous saving, many generator owners say the convenience of controlling their own acetylene production is even more important. Those working at some distance from a source of acetylene supply, especially appreciate their independence of tank acetylene. There is no chance of running short of acetylene with work half done, or a rush job needing attention, with a Rego generator on the job.

REGO Type "S" generators are made in two sizes, No. 851 of 100-lb. carbide capacity, and No. 853 of 300-lb. carbide capacity. Both sizes use $1\frac{1}{4}$x$\frac{3}{8}$ (nut size carbide), which gives a uniformly high gas yield.

No. 851

No. 851, the 100-lb. size, has a normal delivery of 100 cu. ft. of acetylene per hour, which is equivalent to the delivery of seven 100 cu. ft. acetylene cylinders. It can safely deliver up to 200 cu. ft. per hour for short periods when necessary. Continuous excessive overloading is not recommended, as any generator under these conditions will overheat and deliver gas in an improper condition.

The No. 851 generator is recommended for welding shop and industrial plants which operate one or two torches of large capacity or several torches of small capacity.

No. 853

No. 853 generator has a normal delivery of 300 cu. ft. of acetylene per hour, which is equivalent to the delivery of 21 100 cu. ft. acetylene tanks, and can carry safely an overload up to 600 cu. ft. per hour for short periods when necessary. No. 853 generator is recommended for very large welding shops and industrial plants using large volumes of acetylene.

The correct generator for your purpose may be determined by consulting the torch gas consumption chart on page 34 for the approximate amount of gas you will use, remembering that it is usually inconvenient to charge the generator oftener than once a day.

Prices

All Generator Prices are f.o.b. Generator Factory, Grand Haven, Michigan

No. 851-S—100 lb. Generator. Code Word, Sonic.....Price $495.00*

No. 853-S—300 lb. Generator. Code Word, Sonifer.....Price 630.00*

Rego Type NS Generators

NS generators are the S type without the interlocking devices required for approval by the Underwriters' Laboratories.

No. 851-NS—100 lb. Generator. Code Word, Sonk.....Price $439.00*

No. 853-NS—300 lb. Generator. Code Word, Sonkin.....Price 563.00*

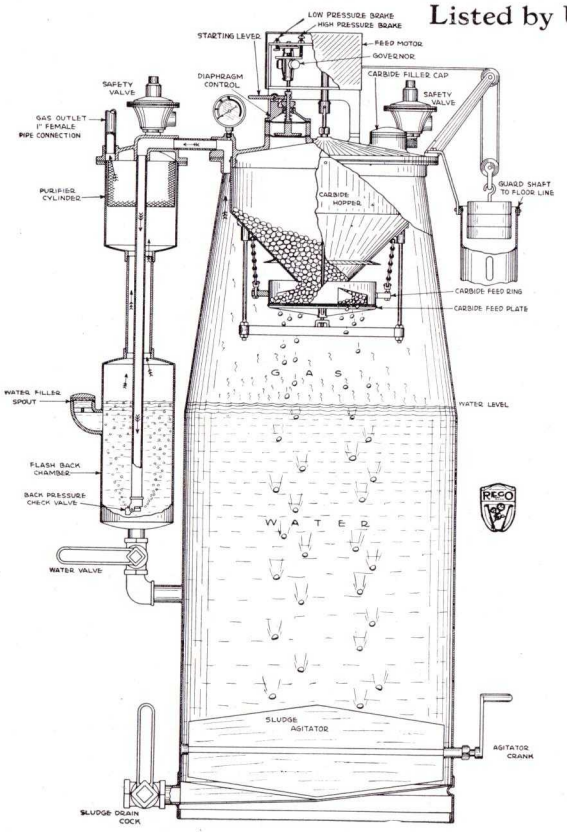
Table of Capacities and Specifications

		851	853
Generator Number			
Carbide Capacity per charge		100 lb.	300 lb.
Water Capacity		125 gal.	314 gal.
Acetylene Generated per hour normal		100 cu. ft.	300 cu. ft.
Acetylene Generated per hour (maximum.)		200 cu. ft.	600 cu. ft.
Acetylene Generated per charge (approx.)		500 cu. ft.	1500 cu. ft.
Approximate number of Torches that can be supplied at normal delivery on	Light Work. GM No. 54 tip.	8	24
	Medium Work. GM No. 48 tip.	4	12
	Heavy Work. GL No. 37 tip.	2	6
Gas Outlet Connections		1″ female pipe	1″ female pipe
Over all Height		80″	102″
Over all Dimensions		30x58″	45x73″
Center Gas Outlet to floor		76″	98″
Net Weight		610 lb.	915 lb.
Shipping Weight		840 lb.	1350 lb.

Note—A charge of 5% of the list price of the generator is made for export packing. This charge is not subject to discount.

Details of REGO Type "S" Generator

Listed by Underwriters' Laboratories



Generator Shell

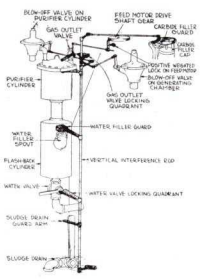
The generator shell on Rego Type "S", generators is constructed according to the specifications of the Underwriters' Laboratories. All seams are welded and recoated with solder on the inside above the water line.

Carbide Feed

A weight operated motor—the most dependable type of motor known—drives a revolving feed plate, from which the $1\frac{1}{4}$x$\frac{3}{8}$ (nut size) carbide is scraped into the water by a flexible feed ring.

The rate at which the carbide is fed is controlled by the gas pressure on the diaphragm operating a direct brake on the variable speed governor. This construction gives an extremely sensitive control of the generating pressure. The motor also has a low pressure brake which locks the feed motor if the diaphragm is ruptured, or the carbide is exhausted. When starting the generator it is necessary to hold this brake until a definite pressure is established in the generator, thus insuring that everything is operating properly before the operator leaves. After this, the operation is automatic.

Interlocking Levers



The complete system of interlocking levers is so arranged that the proper sequence in charging and recharging must be followed.

As an additional safety arrangement, the generator is filled with water through the flashback chamber, so that this chamber is always automatically filled to the proper level.

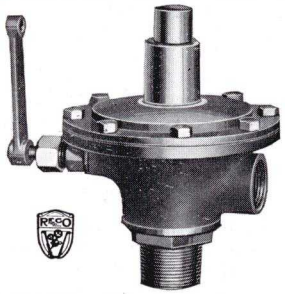
Blow Off Valves

REGO Type "S" generators are equipped with two automatic blow off valves which have a capacity far in excess of that required by the Underwriters' Laboratories, and are absolute insurance against the possibility of dangerous pressures within the generator.

Flashback and Purifier Chambers

The flashback and purifier chambers are arranged in tandem at the side of the generator. The gas comes in through a back pressure check valve at the bottom of the flashback chamber and bubbles up through the water. It then passes through a basket of aluminum chips in the purifier chamber, which removes the moisture and any lime dust which may have been carried through the washing process.

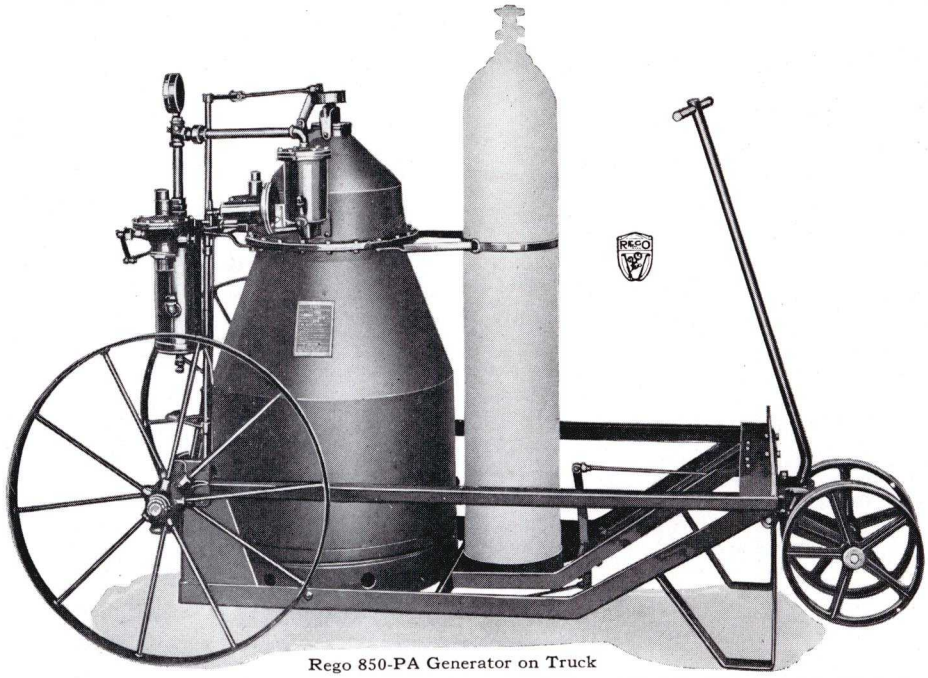
Rego No. 769 Blow Off Valves



Blow off valves are required on acetylene generators to give relief when the pressure in the generator becomes greater than 15 lbs. Rego No. 769 Valves are specially designed for sensitiveness and quick action. They have a relief capacity far greater than the generating capacity of a 300-lb. generator, and so are of ample size for all sizes of generators. Inlet, 1-inch female taper pipe thread, and the vent is $1\frac{1}{4}$-inch male taper pipe thread.

Weight $7\frac{1}{2}$ lbs.—Code Word, Sonly
Price $28.00

REGO Type "PA" Portable Acetylene Generators



Rego 850-PA Generator on Truck

REGO Portable generators, producing acetylene for approximately 1½c a foot, and providing an ever-ready supply of gas, are invaluable for pipe line welding, railroad and street railway repairs and other work where the outfit must be taken to the job. They are made in two sizes: No. 849 of 30 lb. carbide capacity, and No. 850 of 60 lb. carbide capacity. Both sizes use ¼" x 1/12" (pea size) carbide.

No. 849 has a normal gas delivery of 30 cu. ft. per hour, which is equivalent to the delivery of two 100 cu. ft. acetylene cylinders. It can safely deliver up to 60 cu. ft. per hour for short periods when necessary. Continuous excessive overloading is not recommended as any generator will overheat under these conditions and deliver gas in an improper condition.

No. 850 has a normal gas delivery of 60 cu. ft. per hour which is equivalent to the delivery of 4—100 cu. ft. acetylene cylinders. It can safely deliver up to 120 cu. ft. per hour for short periods when necessary.

Prices

All generator prices are f. o. b. Rego Generator Factory, Grand Haven, Michigan

Rego "PA" Portable Generators

No. 849PA—30 lb. size—without truck. Code Word, Sonny.....$225.00*

No. 850PA—60 lb. size—without truck. Code Word, Sood. Price..... 247.50*

Trucks

For 849PA—30 lb. generator. Weight, 155 lbs. Code Word, Sophie. Price.....$54.00*

For 850PA—60 lb. generator. Weight, 170 lbs. Code Word, Soope. Price..... 58.50*

Rego "NPA" Stationary Generators

REGO "NPA" generators are the "PA" generators without the interlocking lever system and are for **stationary use only.** They are just the thing for garages, small job shops and similar concerns. If there is a possibility of the future need of a portable generator, the PA type without truck is recommended, as the truck can be obtained when the need of a portable generator arises.

No. 849NPA—30 lb. size without interlocking levers. Code Word, Sor. Price $189.00*

No. 850NPA—60 lb. size without interlocking levers. Code Word, Sorage. Price $211.50*

Note—A charge of 5% of the list price of the generator is made for export packing. This charge is not subject to discount.

Table of Capacities and Specifications

Generator Number	849-PA 30 lb. Portable	850-PA 60 lb. Portable	849-NPA 30 lb. Stationary	850-NPA 60 lb. Stationary
Carbide Capacity—Per charge	30 lb.	60 lb.	30 lb.	60 lb.
Water Capacity	31 gals.	61 gals.	31 gals.	61 gals.
Acetylene Generated per hour, normal	30 cu. ft.	60 cu. ft.	30 cu. ft.	60 cu. ft.
Acetylene Generated per hour, maximum	60 cu. ft.	120 cu. ft.	60 cu. ft.	120 cu. ft.
Acetylene Generated, per charge	150 cu. ft.	300 cu. ft.	150 cu. ft.	300 cu. ft.
Approximate No. of torches that can be supplied at normal delivery on... Light Work, GM-54 tip	2	5	2	5
Medium Work, GM-48 tip	1	3	1	3
Heavy Work, GL-37 tip	0	1	0	1
Gas Outlet Connection	G. P. A. Std. Male gas con.	G. P. A. Std. Male gas con.	G. P. A. Std. Male gas con.	G. P. A. Std. Male gas con.
Overall Height	On truck 53"	On truck 61"	49"	57"
Overall Dimensions	On truck 42 x 81"	On truck 48 x 90"	28 x 33"	30½ x 39"
Center Gas Outlet to floor	37¼"	42¼"	33¼"	38¼"
Net Weight	206 lb.	282 lb.	190 lb.	260 lb.
Shipping Weight	310 lb.	410 lb.	290 lb.	390 lb.

Details of REGO "PA" Portable Generators

As portable generators are moved about in the open, subject to all sorts of weather conditions and rough usage, it is very important that they be simple in design and rugged in construction. These two points have been given utmost consideration in the manufacture of the Rego PA Generator.

Generator Shell

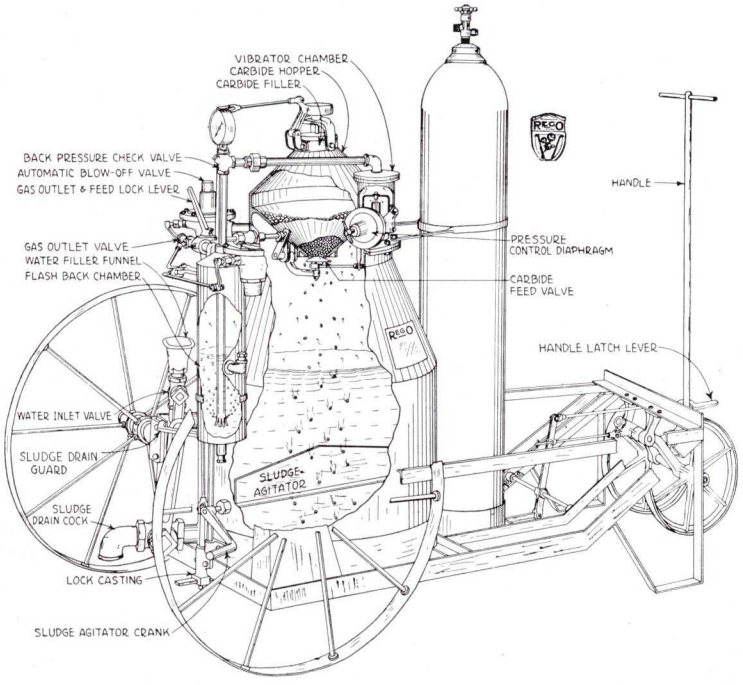
REGO Type "PA" generator shells are constructed according to the specifications of the Underwriters' Laboratories. All seams are welded and recoated with solder on the inside above the water line.

Carbide Feed

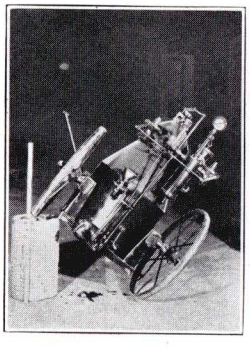
The carbide is fed into the water by the vibration of the carbide feed valve which is vibrated by means of the gas bubbling up under the bell in the vibrator chamber. This vibration is automatically controlled by a brake operated by the pressure control diaphragm. The adjusting screw on the pressure control diaphragm is set to deliver whatever pressure is required—up to 15 lbs.—and the pressure is held uniform throughout the operation.

One of the outstanding features of this generator is that the carbide hopper is a single casting on which is mounted the entire feed and feed locking mechanism.

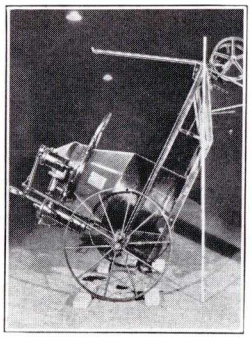
The generator is constructed with a large diameter and comparatively small height which brings the center of gravity so low that it is almost impossible to upset it.



Detail View—PA Generators



Sideways—21″



Back—66″

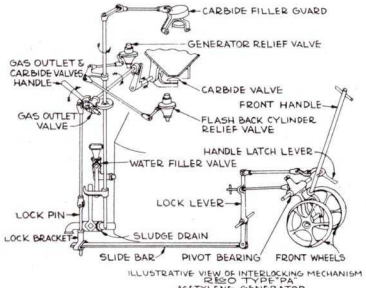
Height to Which Fully Charged PA Generator Must Be Raised Before It Will Tip Over.

Blow Off Valves

Each generator is equipped with two No. 769 blow off valves which have a capacity of 1200 cu. ft. per hour at 15 lbs. pressure, which is absolute insurance that the pressure will at no time exceed the safety mark.

Interlocking Levers

Type "PA" generators are equipped with a complete system of interlocking levers which make possible the charging and recharging of the generator only when the proper and safe sequence of operation is followed. The truck handle cannot be moved until the carbide feed is locked, so that no gas can be generated until the generator is stationary and the handle raised and locked. The carbide lock is water tight so that even if the generator is overturned no water can reach the carbide.



ILLUSTRATIVE VIEW OF INTERLOCKING MECHANISM REGO TYPE "PA" ACETYLENE GENERATOR

Trucks

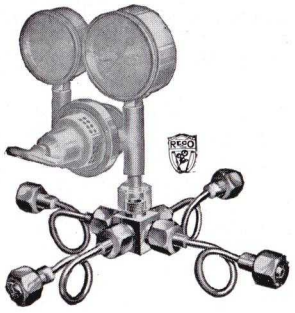
The trucks are of substantial all welded steel construction, and are designed to bring the center of gravity low. The rear wheels which carry most of the weight are extra large to facilitate moving the generator over rough ground. A tank holder for 1 200-ft. oxygen tank is provided at the front of the generator.

REGO Oxygen and Hydrogen Discharging Manifolds

The use of manifolds in large shops saves the cost of the time usually spent in constantly trucking and changing cylinders. It saves gas because all operators are compelled to use the correct pressures. Rego manifolds are made up of ¾-inch high pressure D.E.H. brass nipples and fittings shown at the bottom of page 57. (Note: Steel or iron should never be used in the construction of high pressure oxygen lines. It is dangerous as ferreous metals burn readily in the presence of pure oxygen.) This construction permits the adding of extra cylinders as the shop grows. Each tank connection has its own shut off valve, and each side a master shut off, so that replacing of cylinders can be done without shutting down the work. All joints are made up with litharge and glycerin, and the manifolds tested under excess pressures before shipment.

All oxygen and hydrogen manifolds are listed without regulator. For manifold regulators, see pages 42 and 44.

4-Cylinder Self Supporting Manifolds

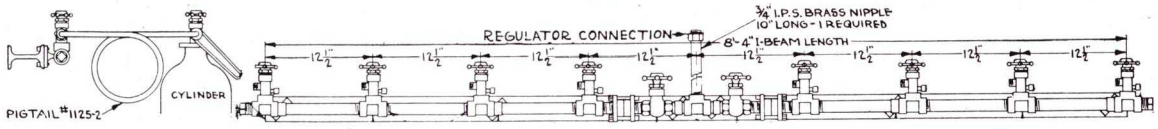


REGO 4 cylinder Self Supporting Manifolds are extensively used in job welding shops, and for heavy cutting, insuring an ample supply of gas for long jobs without the inconvenience of having to change tanks at a critical point.

No. 994—Oxygen Manifold—without regulator. Weight 5¾ lb. Code Word Sorage.....Price $31.00

No. 994A—Hydrogen Manifold — without regulator—all connections ½" L. H. or as specified. Weight 5¾ lb. Code Word, Sorbet.....Price $31.00

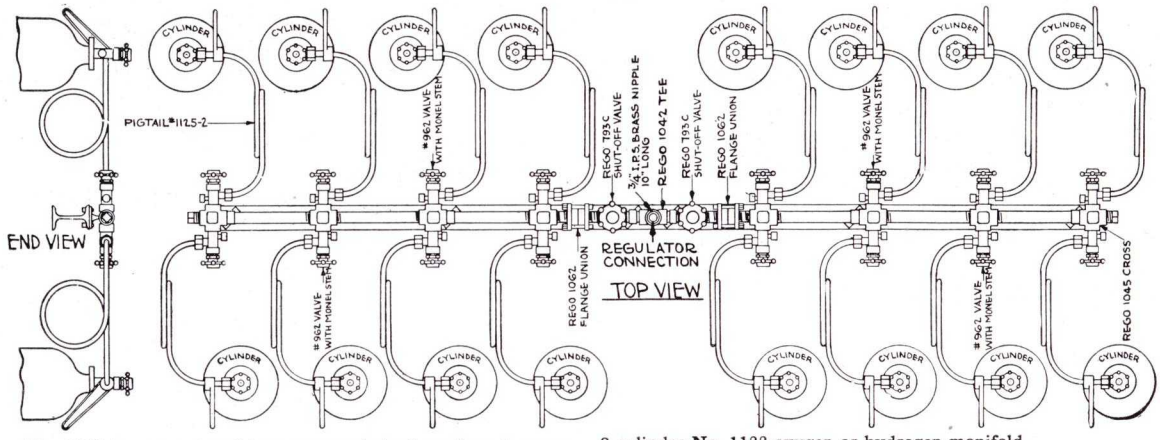
No. 1123 Tee Type Manifold



This manifold is recommended where the manifold is to be attached to the wall. 1123 manifolds for hydrogen have the filling valves and regulator connection furnished with ½-inch male left hand thread, and both ends of the pigtails with ½-inch left hand (983) female thread or as specified.

8 cylinder No. 1123 oxygen or hydrogen manifold mounted on I-Beam; with pigtails; no regulator Weight. 127 lb.....Price $190.00
For each 2 additional cylinders more than 8, add. Weight, 27 lb.....Price $34.00
No. 1123 Oxygen Manifold. Code Word, Sorcer.
No. 1123 Hydrogen Manifold. Code Word, Sorchin.

No. 1122 Cross Type Manifold



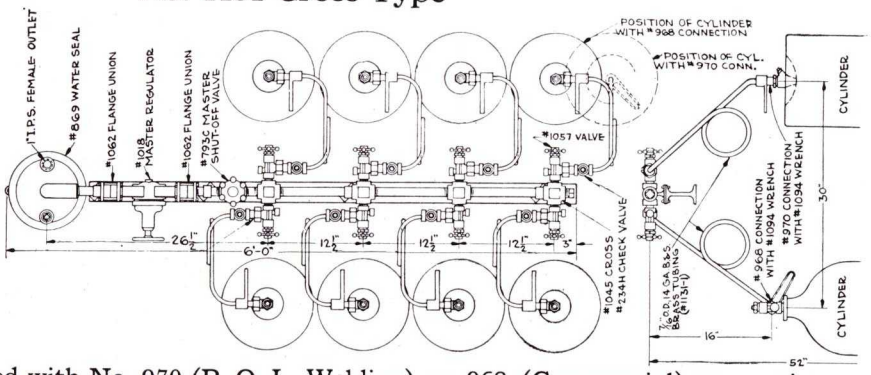
No. 1122 is compact and is recommended where there is room to place the manifold away from the wall. Filling valves are spaced 12½ inches apart. On 1122 hydrogen manifolds, regulator connection and filling valves are furnished ½-inch male left hand thread and both ends of pigtails with ½-inch left hand (983) female thread or as specified.

8 cylinder No. 1122 oxygen or hydrogen manifold, mounted on I-Beam; with pigtails; no regulator. Weight. 106 lb.....Price $180.00
For each 2 cylinders in addition to 8, add. Weight, 17 lb.....Price $28.00
No. 1122 Oxygen Manifold. Code Word, Sory.
No. 1122 Hydrogen Manifold. Code Word, Sose.

REGO Acetylene Discharging Manifolds

No. 1131 Cross Type

REGO No. 1131 Cross Type Acetylene Manifold is a complete unit, consisting of manifold mounted on "I" Beam, 1018 master regulator, and 869 water seal. A check valve is placed in each pigtail. Filler valves and check valve end of pigtail are furnished with 968 connection. Tank end of pigtail is furnished with No. 970 (P. O. L. Welding) or 968 (Commercial) connection as specified.



Prices

4 cylinder No. 1131 Acetylene Manifold—Complete
Wt. 99 lbs. Code Word, Sot. Price $221.00

6 cylinder No. 1131 Acetylene Manifold—Complete
Wt. 117 lbs. Code Word, Sothen. Price $258.00

8 cylinder No. 1131 Acetylene Manifold—Complete
Wt. 135 lbs. Code Word, Sotie. Price $295.00

Acetylene Manifolds of more than 8 cylinders are not recommended.

4 Cylinder Self Supporting Manifold

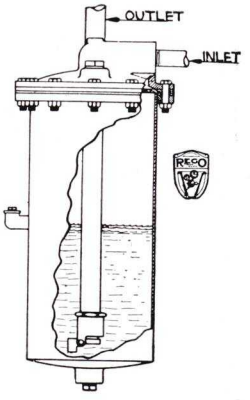
REGO 4 cylinder self supporting manifold No. 994B is of the same type as the oxygen manifold shown on page 56, but is equipped with brass pigtails, each of which includes a check valve to keep the acetylene from flowing from one cylinder to the other.

No. 994B Acetylene Manifold—without regulator.
Wt. 6¾ lbs. Code Word, Sotted. Price $42.00

Rego No. 869 Water Seal

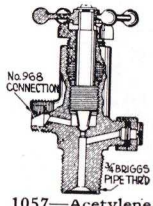
When operating a torch with acetylene from a manifold, or city gas from a main, it is important to place a water seal in the line between the torch and the gas supply to prevent an accidental torch back fire reaching the source of gas supply.

REGO 869 water seal is designed to take care of large volumes of gas for welding and cutting operations.

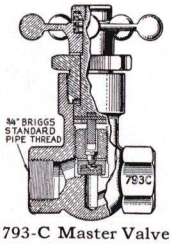


No. 869 Water Seal.
Wt. 25 lbs. Code Word, Souage Price $45.00

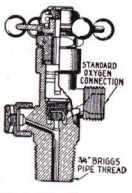
Rego ¾" I. P. S. Manifold Valves and Fittings



1057—Acetylene Individual Shut Off Valve

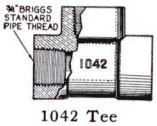


793-C Master Valve

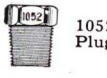


962-M Oxygen Individual Shut-off Valve.

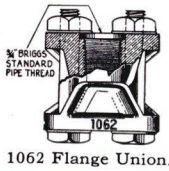
1043 Elbow



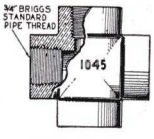
1042 Tee



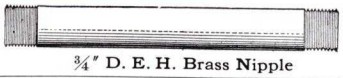
1052 Plug



1062 Flange Union.



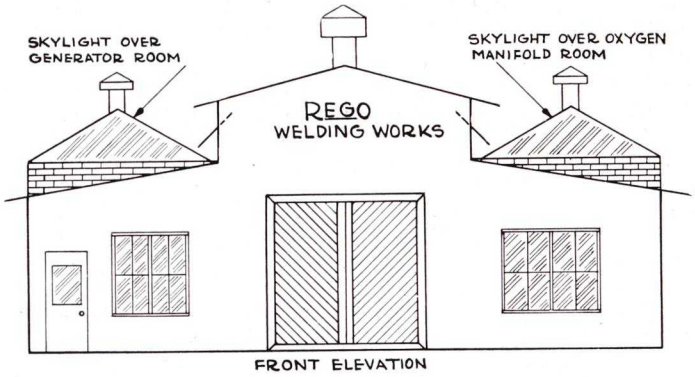
1045 Cross



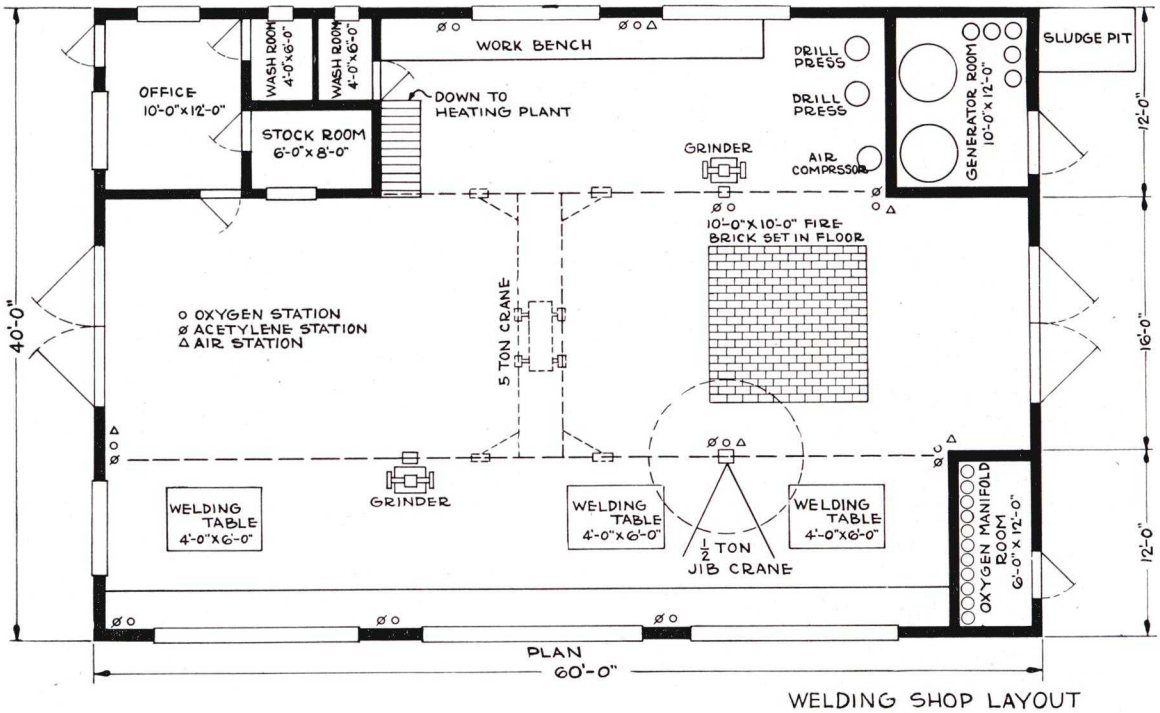
¾" D. E. H. Brass Nipple

Number	Description	Wt. Lbs.	Code Word	Price
1057	Acetylene Manifold Valve—968 outlet	1½	Souri	$ 4.00
793C	Master Valve—¾x¾"	3¾	Soucan	11.00
962M	Oxygen Manifold Valve—967 outlet	1⅜	Soud	3.00
962M	Hydrogen Manifold Valve—983 outlet	1⅜	Soufre	3.00
1042	Tee, ¾ x ¾ x ¾"	1½	Sough	2.65
1043	Elbow, ¾ x ¾"	1	Souk	2.20
1044	Coupling, ¾ x ¾"	¾	Soul	1.75
1045	Cross, ¾ x ¾ x ¾ x ¾"	1¾	Sould	3.30
1052	Pipe Plug, ¾"	⅜	Soum	1.10
1062	Flange Union, ¾ x ¾"	3⅝	Sound	3.30
1047	Nipple, 2¾ x ¾"	¼	Sounk	.65
1048	Nipple, 4¼ x ¾"	½	Sounst	.90
1049	Nipple, 10⅛ x ¾"	1⅜	Soup	1.55
	¾" D. E. H. Brass pipe, without threads, per foot	1½	Sov	1.10
1125-8	Bracket	⅜	Sova	1.00
1131-1	Acetylene Pigtail with Check Valve and Wrench	2¼	Sovark	10.50
1125-2	Oxygen or Hydrogen Pigtail with Wrench	1¾	Sovat	6.00

Suggested Plan for a Welding Shop



FRONT ELEVATION



WELDING SHOP LAYOUT

The above is suggested as an ideal oxy-acetylene installation for a shop doing commercial job welding, mostly in the nature of repair work.

The location of the generator and oxygen manifold rooms within the building is permitted under the ruling of the National Fire Protection Association, and is desirable wherever there are no local ordinances prohibiting it, because of the saving in building costs. The enclosing walls are preferably of brick, plastered on both sides. They should be extended above the roof line and covered with glass skylights.

The compressed air line is intended to supply air for pneumatic tools and kerosene preheaters. If city gas is used for preheating, the gas lines should be located with outlets adjacent to those on the air lines.

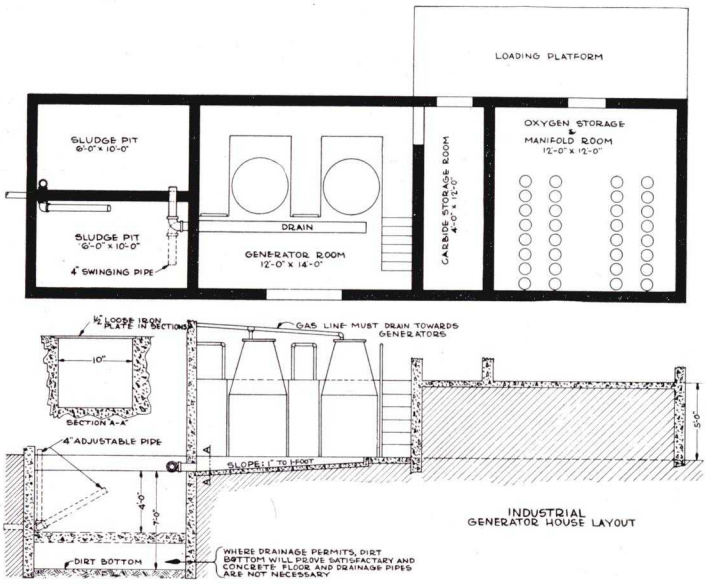
A copy of the N.F.P.A. rules governing installation of the oxy-acetylene equipment will be gladly sent you on request.

Suggested Layout for Generator and Gas Storage House

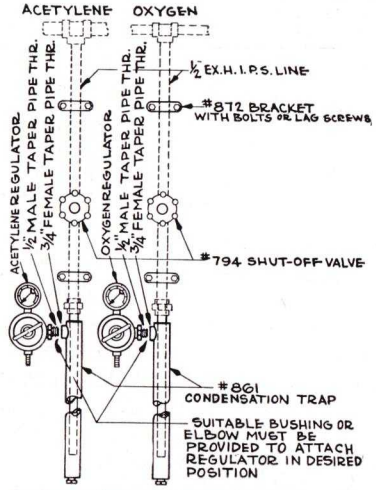
This layout is recommended for large welding shops and industrial plants who use large volumes of gas, and is designed primarily for safety and convenience. Although only two generators are diagrammed, this layout can, of course, be adapted to any number required.

Particular attention is called to the sludge pits. Sludge now has a number of commercial uses, and can be disposed of if cared for in the proper manner. Note that the acetylene pipe line drains *toward* the generators which is a very important factor if the torches are to operate satisfactorily.

This layout has been prepared in accordance with the rules of the N. F. P. A. We will be glad to send you a copy of these rules upon request.



REGO Station Drops and Fittings


ACETYLENE
OXYGEN
½ EX. H. I. P. S. LINE
#872 BRACKET WITH BOLTS OR LAG SCREWS
ACETYLENE REGULATOR ½" MALE TAPER PIPE THD. ¾" FEMALE TAPER PIPE THD.
OXYGEN REGULATOR ½" MALE TAPER PIPE THD. ¾" FEMALE TAPER PIPE THD.
#794 SHUT-OFF VALVE
#861 CONDENSATION TRAP
SUITABLE BUSHING OR ELBOW MUST BE PROVIDED TO ATTACH REGULATOR IN DESIRED POSITION

NOTE: In shops where regulators are permanently attached to line, use No. 940 connection (½ in. taper pipe) on regulator inlet and a standard ¾ in. to ½ in. bushing. In shops where regulators are moved from one station to another, use standard regulator swivel connection and one of the special bushings listed below.

No. 871 ¾-in. to 968 inlet
No. 870 ¾-in. to 967 inlet
No. 873 ¾-in. to 983 inlet

The above is recommended as a good standard design for station drops. The lines themselves are made of ½ in. galvanized iron pipe for acetylene and ½ in. E. H. steel pipe for oxygen, which can be secured from any local concern.

All oxygen and acetylene contains a certain amount of moisture. In passing through manifold pipes it has a chance to condense, and unless it is trapped before it reaches the torch, will cause the flame to fluctuate. An 861 condensation trap should be installed at the foot of each line drop to catch this condensation.

Prices

Description	Weight	Code Word	Price
No. 870 Bushing	¼ lb.	Sove	$1.00
No. 871 Bushing	¼ lb.	Sovek	1.00
No. 872 Bracket	½ lb.	Sovel	2.00
No. 873 Bushing	¼ lb.	Sovic	1.00
No. 794 Valve, ½"x½"	3¾ lbs.	Sow	5.00
No. 861 Condensation Trap	5 lbs.	Sowd	4.00

Table of Line Pipe Sizes

When Manifold is Source of Supply

Total Number of Stations	Size of Pipe 1st 50 ft. Acet.	Oxy.	2nd 50 ft. Acet.	Oxy.	3rd 50 ft. Acet.	Oxy.	4th 50 ft. Acet.	Oxy.
5	½"	½"	...	...	...	...	...	...
10	¾"	½"	½"	½"	...	...	...	...
15	1"	¾"	¾"	½"	½"	½"	...	...
20	1"	1"	1"	¾"	¾"	½"	½"	½"

When Generator is Source of Acetylene Supply

Size of Generator	Size of Pipe 1st Half of Line	2nd Half of Line
60 lb.	1¼"	1"
100 lb.	1½"	1"
300 lb.	2"	1½"

Laws and Useful Information Concerning Gases

Laws Governing Gases

Boyle's Law—The temperature remaining constant, the volume of a gas varies inversely as the pressure to which it is subjected.

If P = pressure at volume V
And P_1 = pressure at volume V_1

$$PV = P_1V_1 \text{ or } V_1 = \frac{PV}{P_1}$$

Law of Charles and Gay Lussac—The pressure remaining constant, the volume of a gas varies directly as the absolute temperature to which it is subjected. Conversely, if the volume is kept constant, the pressure will vary as the absolute temperature.

If V_0 be the volume of a gas at T_0 degrees F., and V_1 the volume at any other temperature T_1 then:

$$\frac{V_1}{V_0} = \left(\frac{T_1 \text{ plus } 459.6}{T_0 \text{ plus } 459.6}\right)$$

If Pressure also changes from P_0 to P_1 then:

$$V_1 = V_0 \frac{P_0}{P_1} \left(\frac{T_1 \text{ plus } 459.6}{T_0 \text{ plus } 459.6}\right)$$

Absolute Zero equals —459.6° F.
or Zero Degrees Fahrenheit equals 459.6° F. Absolute.

Example: An oxygen cylinder contains oxygen at a pressure of 2000 lbs. per sq. in. at a temperature of 68° F. Assume volume to remain constant. What will be the pressure in the cylinder at 110° F.?

$$V_1 = V_0 \frac{P_0}{P_1} \left(\frac{T_1 \text{ plus } 459.6}{T_0 \text{ plus } 459.6}\right)$$

$$P_1 = 1 \frac{2000}{1} \left(\frac{110 \text{ plus } 459.6}{68 \text{ plus } 459.6}\right)$$

$$P_1 = 2000 \frac{569.6}{527.6} = 2000 \times 1.08 = 2160 \text{ lbs. per square inch}$$

Standard Conditions of Pressure and Temperature

As changes of temperature and pressure exert so considerable an influence upon the volume of a gas and consequently upon the weight of a unit volume, standard conditions have been adopted, viz.: 0 degrees Centigrade as standard temperature, and a pressure equal to that exerted by a column of mercury 760 mm. high when at a temperature of 0° C; pressure is usually expressed as so many units of weight per square unit of area. The standard of 760 mm. of mercury is equivalent to 29.92 inches of mercury and also 14.6963 lbs. per sq. inch.

Chemical and Physical Properties of Gases Under Standard Conditions

	Air	Oxygen	Hydrogen	Nitrogen	Acetylene	Carbon Dioxide
Symbol	.....	O	H	N	C_2H_2	CO_2
Density	1.0000	1.1052	.0695	.9673	.9119	1.5289
Molecular Weight		32.	2.016	28.016	26.026	44.005
Weight, Grams per Litre	1.293	1.429	.090	1.25	1.179	1.977
Weight, lbs. per cu. ft.	.0807	.089	.0056	.078	.0736	.1234
Volume, cu. ft. per lb.	12.388	11.209	178.931	12.770	13.587	8.103

Variations of Pressure in Standard Oxygen Cylinders at Various Temperatures

Temp. in °C.	Temp. in °F.	Pressures in lbs. per sq in. 220 cu. ft. Cyl.
100	212	2544
93.3	200	2500
79.4	175	2404
65.5	150	2311
60.0	140	2273
54.4	130	2234
48.9	120	2197
43.3	110	2160
40.5	105	2141
37.7	100	2122
35.0	95	2103
32.2	90	2084
29.4	85	2064
26.6	80	2045
23.8	75	2026
21.1	70	2007
20.0	68 Standard	2000
18.3	65	1988
15.5	60	1968
12.8	55	1950
10.0	50	1930
7.2	45	1911
4.4	40	1892
1.6	35	1872
.0	32	1862
−3.3	25	1840
−6.6	20	1817
−9.4	15	1798
−12.2	10	1778
−15.0	5	1759
−17.7	0	1740
−20.5	−5	1721

Useful Conversion Factors

Temp. Centigrade = 5/9 (temp. Fahrenheit minus 32).

Temp. Fahrenheit = 32 plus 9/5 (temp. Centigrade).

1 inch = 2.5400 cm.
1 meter = 3.281 ft.
1 cu. ft. = .02832 cu. meters
1 cu. meter = 35.31 cu. ft.
1 cu. meter = 264.17 gallons
1 gallon = 3.78533 litres
1 gallon water weighs 8.33 lbs. at 68°F
1 gallon = .134 cu. ft.
1 litre = 1.0567 qt.
1 cu. in. = 16.387 cu. cm.
1 lb. = 453.59 grams
1 gram = 15.432 grains
1 atmosphere = 14.6963 lbs. per sq. in.

Flame Temperatures

Gases	Temperature	
	°C	°F
Acetylene and Air	2458	4454
Acetylene and Oxygen	3093	5600
Hydrogen and Air	1900	3452
Hydrogen and Oxygen	2420	4388
Natural Gas and Air	1871	3040
Natural Gas and Oxygen	2200	4012

Useful Facts for Welding

The Use of Fluxes

Fluxes are used in welding to dissolve oxides from the molten metal, to release trapped gases and slag, and to keep the metal clean and free flowing. Some metals oxidize more rapidly than others, and need more powerful fluxes. A number of different type of fluxes are on the market which have been developed to aid the welding of different metals; as aluminum flux, cast iron flux, etc., and the welder cannot go wrong in using any good standard make. In general, fluxes are required for cast iron, copper, aluminum, monel metal, brass and bronze. No flux is required for steel.

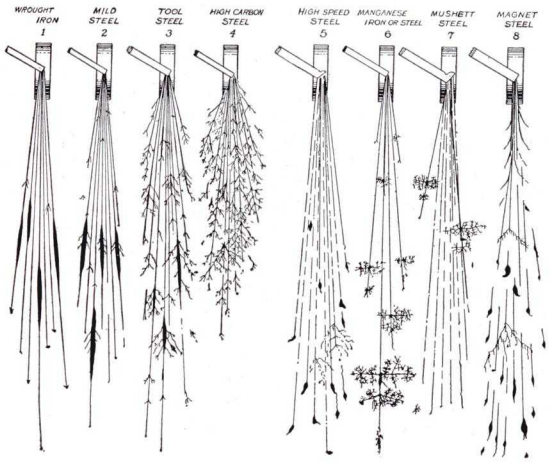
The Correct Size Welding Rods for Steel and Cast Iron

STEEL		CAST IRON	
Material Thickness	Rod Size	Material Thickness	Rod Size
3/32"—1/8"	16 ga.	1/4"—1/2"	3/16"
1/8"—5/32"	14 ga.	1/2"—3/4"	1/4"
5/32"—1/4"	1/8"	3/4"—1"	3/8"
1/4"—1/2"	3/16"	Heavy Castings	1/2"
1/2"—3/4"	1/4"		
Extra Heavy	5/16"		

Properties of Metals

	Weight per cu. ft. in lb.	Melting Point °Fahrenheit	Expansion for each 1° F. rise in temperature in $\frac{1}{100,000}$ inches
Aluminum	166.5	1214	1.360
Brass—Yellow	521.3	1640	1.052
Bronze—Cast	552.	1692	.986
Copper	552.	1943	.887
Gold	1200.9	1947	.786
Iron—Cast	450.	2075	.556
Iron—Wrought	480.	2737	.648
Lead	709.7	618	1.571
Nickel	548.7	2600	.695
Platinum	1347.	3110	.479
Silver	655.1	1751	1.079
Solder—50-50	584.	419	.....
Steel	490.	2372–2687	.689
Tin	458.3	450	1.163
Zinc	436.5	786	1.407

Spark Tests to Determine Different Kinds of Iron and Steel



Characteristic Sparks of Different Irons and Steels Thrown off by an Emery Wheel. Wheel should be Clean Cutting and Run about 7000 Feet per Minute.

1. Is wrought iron almost free from carbon. Heated particles thrown from wheel follow straight line. These become broader and more luminous some distance from their source of heat.

2. Illustrates mild steel action. Small amount of carbon present causes a division or forking of the luminous streak.

3. Shows the effect of increasing the carbon from 0.50 to 0.85 per cent in mild steel. The iron spark lines diminish; the forking of the luminous streak occurs more frequently, being subdivided by re-explosions from smaller particles.

4. Is a piece of carbon tool steel. The iron lines are practically eliminated with the increase of the explosions and subdivisions, causing display of figures.

5. Gives the spark of chromium and tungsten high-speed steels

6. Represents a manganese spark. (Occasionally found in cast iron.)

7. Shows spark thrown from old grade of "Mushett" steel.

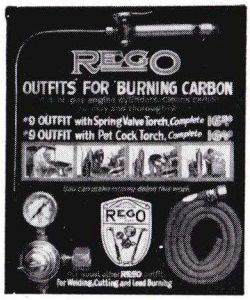
8. Represents a magnet steel spark.

U. S. Standard Gauge for Sheet and Plate

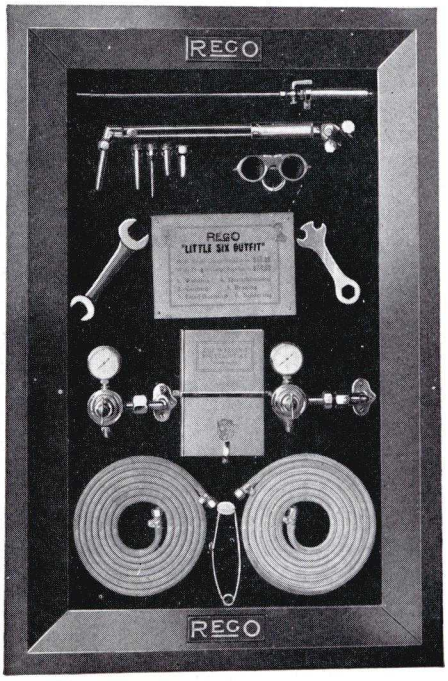
Number of Gauge	Approximate Thickness in Fractions of an Inch	Approximate Thickness in Decimal Parts of an Inch
000	3/8	.375
00	11/32	.3437
0	5/16	.3125
1	9/32	.2812
2	17/64	.2656
3	1/4	.25
4	15/64	.2343
5	7/32	.2187
6	13/64	.2031
7	3/16	.1875
8	11/64	.1718
9	5/32	.1562
10	9/64	.1406
11	1/8	.125
12	7/64	.1093
13	3/32	.0937
14	5/64	.0781
15	9/128	.0703
16	1/16	.0625

See REGO Equipment at Your Local Jobbers

REGO *Jobbers carry their tips and small replacement parts in these cabinets, which insures that they are always in good shape when they reach you.*



The above shows how the Rego Jobber displays Rego Lead and Carbon Burning Outfits. All the equipment is there, so you can see just what you are getting.



Every Rego Jobber has one or more of these display boards containing Rego Outfits, torches and regulators. Wherever you see one of these boards in a store, or window, you know that you have located the headquarters for real, serviceable welding and cutting equipment.

THE Rego selling organization has been developed to give real service to the user of welding and cutting apparatus. Rego sales and service branches are located in every part of the country. These separate organizations are fully equipped with men of many years experience who can help solve plant, shop or factory installation problems and secure practical and economical operation of the equipment being used.

Over 250 of the leading jobbers of this country sell Rego equipment and are supplied with display boards. Customers who visit their offices can thus handle and examine Rego apparatus.

The home office maintains a service department which studies and answers any question or request from any user of welding equipment.

Because of this well-developed and efficient organization, purchasers of Rego equipment are assured of quick repair and replacement parts service. Every effort is made to cooperate with the user and it is this service coupled with quality equipment that is constantly increasing the number of Rego users.

How to Increase Your Welding Business

There's Big Money in Welding

TODAY, right in your own territory, people are discarding as "junk" thousands and thousands of dollars worth of equipment that could be saved and kept in use by a welding service such as you could profitably give with a complete Rego outfit.

Everybody needs some welding done. Even the housewife can use welding to repair some broken piece of household equipment. Every automobile owner should be a customer of yours, and you should get a tremendous amount of work from nearby factories and machine shops. And farmers always have repair work that only welding can handle.

Good advertising is the cheapest and quickest way to build up your business. Use newspapers, billboards, direct mail in the form of letters, post cards and folders. Do it regularly. Keep your name continually before the public and you will find that your business will steady grow. Make your advertising interesting. Tell a real story that will catch the reader's eye and show him the value of your services. Remember that he is interested in what you can do for him, not in what he can do for you.

Billboards along the highways are particularly useful for men who have a welding business, because the automobile owner is such a good prospect. Newspaper advertising will also appeal to all classes of customers. Letters can be written to appeal directly to the people they are sent to. The big thing to remember is that you must show them how your service can save them money and time. Money invested in advertising your business will return big dividends if it is properly handled. Our sales service department will be glad to answer any question you may have, and assist you in your campaign.

This striking 4 color poster—14 x 18 in.—on heavy cardboard will call every motorist's attention to the fact that he can have the carbon removed from his car without the necessity of laying it up in the shop for a couple of days.

Furnished upon request; free to owners o Rego Welding Outfits.

"Welding Profits and How to Get Them" is a little booklet telling how to go after the farmers' repair work. The ideas contained in it can also be applied to going after business in town.

Sent free on request.

This handsome 14 x 10 in. red and yellow enamel sign tells the world that you are equipped to give real repair service. Every Rego Welding Shop should have one over the door. Single face signs lie flat against the wall. Double face signs (as illustrated) are flanged and stand out from the building.

Free to all owners of Rego Welding Outfits.

How to Order

This catalog will give you a good idea of the number of torches, regulators and accessories that we manufacture. It is difficult for us to know what you want unless you order clearly and completely Always—

Give Part Numbers and Description

This order will be held up until you have been written for further information.

1—Tip for Rego Torch.

1—Rego Cutting Outfit.

1—Rego Welding Torch.

but—

This order will receive immediate attention.

1—No. 37 MT Tip.

1—No. 5101 Outfit with 968 connection.

1—L Torch with 5 Tips.

Specify Acetylene and Hydrogen Regulator Inlets

There are three different acetylene connections (see bottom of page 40) and two hydrogen connections (see bottom of page 41) used in the U. S. When ordering outfits or regulators, always specify the inlet you want by number, or send us the name of the manufacturer from whom you buy your gas, so that we can send you a regulator which will fit your tank.

All oxygen manufacturers use the same connection so it is unnecessary to specify oxygen inlets.

Give Shipping Directions

When not otherwise specified, we ship the cheapest way.

Special Tip Assortments

In many cases the work for which a torch is used is all of 1 type—as cutting sheet metal, or welding boiler plate—and only one or two sizes of tips are required. To order a torch in this manner simply specify

"1—(Torch Model) Torch with

1 No. 37 tip only."

The price is arrived at by adding the price of the tip to the price of the torch only.

Shipping Code

Considerable money can be saved in telegrams for rush shipments if the shipping code given below is used in connection with the item code words given in the body of the catalog.

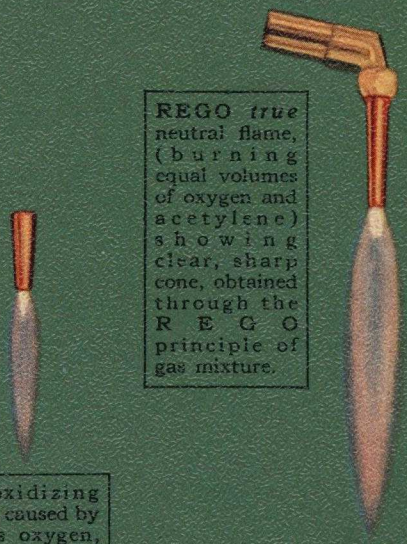
SHIPPING INSTRUCTIONS	Code Word
Ship at once direct to us via New York	Gable
Ship at once to us via San Francisco	Gad
Ship at once to us via New Orleans	Gaff
Ship at once direct to us via Vancouver	Gage
Ship at once direct to us via Parcel Post	Gain
Ship at once through our New York Broker	Garb
Ship us by freight as soon as possible	Gaiety
Ship us by express today	Gait
Ship us the cheapest way	Gala
How soon after receipt of order can you ship	Gall
Duplicate our order dated	Gambol
Send tracer after shipment of	Gamut
Rush our order of ,need badly	Ganoid
If you can't ship all, ship what is ready, and back order balance	Gaol
Your order is not clear, wire our catalogue number	Garble
See your order and wire whether item is correctly specified	Garget
No such word as in our code, what is it meant for	Garnish
Answer by wire, using our code	Garret
Your order fails to state , wire particulars	Garrote
Your order fails to state , mail particulars	Gape
When will you ship our order of	Gascon
Your order was shipped complete on	Gawk

SHIPPING INSTRUCTIONS	Code Word
Wire lowest price on	Gentle
Mail lowest price on	Geld
Mail catalogues and lowest prices today	Gender
Hold our order dated for additions	Geniat
Cancel order dated unless you can ship by	Genuine
Too late to cancel order shipped	Genus
Too late to change order shipped	Genre
Our terms are 2% 10 days, net 30 days F. O. B. Chicago	Geode
Our terms are 2% for cash, against ship documents F. O. B. Chicago	Gewgaw
We have no knowledge of your financial responsibility, shall we ship C. O. D.	Giant
Your order has been received and will be shipped at once	Gift
Your order has been received and will be shipped within days	Gimlet
Please answer our letter of	Ginseng
Please reply immediately by telegraph	Gird
Will send full particulars by mail	Girth
We wrote you on the , but order has not been received may we expect it soon?	Glacier
Order was mailed to you on the , when will you ship?	Glitter
Your proposition of accepted	Glisten

26-5-25M-2-15-26

Welding Torch Flames

reproduced from actual photographs of flames produced by tips of the same size.



REGO *true* neutral flame, (burning equal volumes of oxygen and acetylene) showing clear, sharp cone, obtained through the REGO principle of gas mixture.

The carbonizing flame, caused by excess acetylene and denoted by the feathery edge of the cone.

The oxidizing flame, caused by excess oxygen, and denoted by shorter envelop and pointed cone.

The acetylene flame, caused by burning pure acetylene, denoted by flame jumping away from tip.

REGO